

ENGINE
EQUIP NUM: 162103
SERIAL NUMBER: EEH01260
N070-52187-7024

LABEL#: 200917900

SHOP JOB NUM : 2145995

SAMPLE SHIP TIME (days) : 35

AECON MINING K + S

RECEIVED DATE: 06-Jul-22

CAT 345D

No Action Required

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

Interp By: Greg Eyre
Interpreted On: 08-Jul-22
SAMPLE INFORMATION


Sampled Date	01-Jun-22
Sample Id	N070-52187-7024
Lab Date	06-Jul-22
Meter [Hr]	13269
Meter On Fluid	13269
Fluid Brand	
Fluid Weight	
Fluid Type	
Fluid Change	N
Filter Change	N

PREVIOUS SAMPLE

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

CONDITION / CONTAMINATION

01-Jun-22

VISCOSITY (Centistokes)

V100 Viscosity at 100 C 14.50

VISCOSITY (Centistokes)

V40 Viscosity at 40 C 83.30

VISCOSITY INDEX

VI Viscosity Index 182

INFRARED (UFM)

ST	Soot	0
OXI	Oxidation	12
SUL	Sulfur Products	17
NIT	Nitration	5

WATER

W Water N

ANTIFREEZE

A Antifreeze N

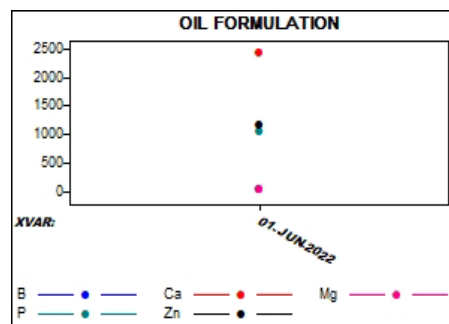
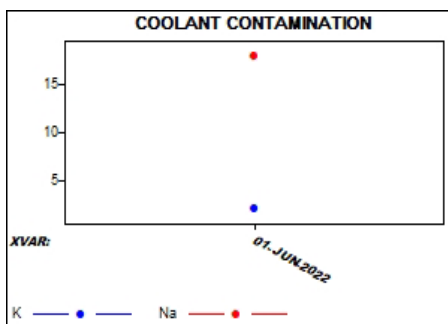
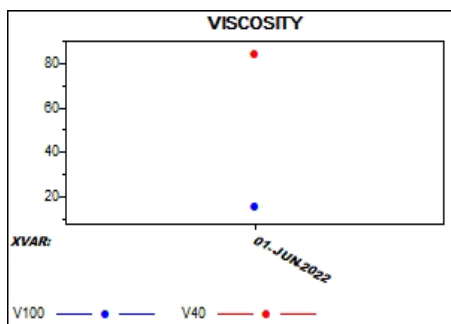
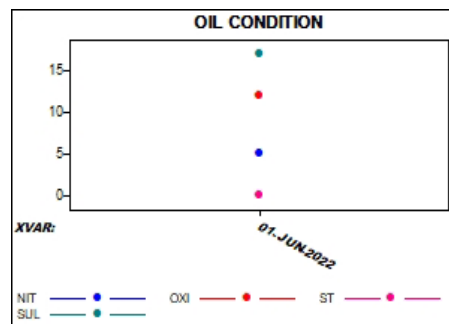
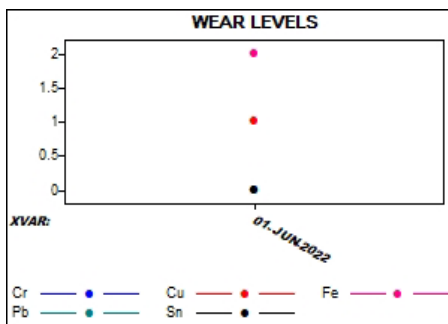
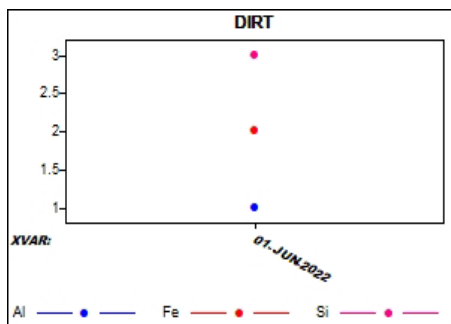
FUEL

F Fuel N

WEAR LEVELS / ADDITIVES

01-Jun-22

ELEMENTAL ANALYSIS (ppm)		
Cu	Copper	1
Fe	Iron	2
Cr	Chromium	0
Al	Aluminum	1
Pb	Lead	0
Sn	Tin	0
Si	Silicon	3
Na	Sodium	18
K	Potassium	2
Mo	Molybdenum	2
Ni	Nickel	0
Ag	Silver	0
Ti	Titanium	0
V	Vanadium	0
Ca	Calcium	2398
P	Phosphorus	1036
Zn	Zinc	1147
Mg	Magnesium	11
Ba	Barium	0
B	Boron	6



Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUrs>. Access our online platform: <https://soswebmc.cat.com/cat-sos/samples>. Want to sign up for online portal?, Go Paperless? Or have any questions on SOS? Contact us 8:00am - 4:00pm MST M-F at SOS Support: 1-888-FINNING or oilsupport@finning.com.

FINAL DRIVE REAR
EQUIP NUM: 162103
SERIAL NUMBER: EEH01260
N070-52187-7022

LABEL#: 200565807

SHOP JOB NUM : 2145995

SAMPLE SHIP TIME (days) : 35

AECON MINING K + S

RECEIVED DATE: 06-Jul-22

CAT 345D

No Action Required

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Interp By: Greg Eyre
Interpreted On: 08-Jul-22
SAMPLE INFORMATION


Sampled Date	01-Jun-22
Sample Id	N070-52187-7022
Lab Date	06-Jul-22
Meter [Hr]	13269
Meter On Fluid	13269
Fluid Brand	
Fluid Weight	
Fluid Type	
Fluid Change	N
Filter Change	N

PREVIOUS SAMPLE

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

CONDITION / CONTAMINATION

01-Jun-22

VISCOSITY (Centistokes)

V100 Viscosity at 100 C 10.50

VISCOSITY (Centistokes)

V40 Viscosity at 40 C 50.60

VISCOSITY INDEX

VI Viscosity Index 203

INFRARED (UFM)

ST	Soot	0
OXI	Oxidation	40
SUL	Sulfur Products	52
NIT	Nitration	3

WATER

W Water N

CLEANLINESS

01-Jun-22

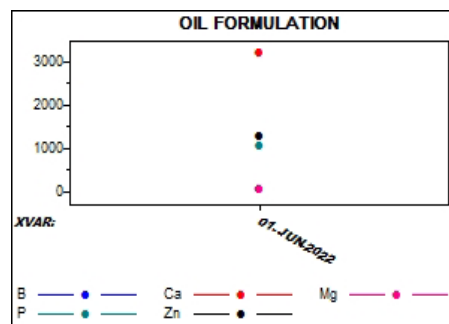
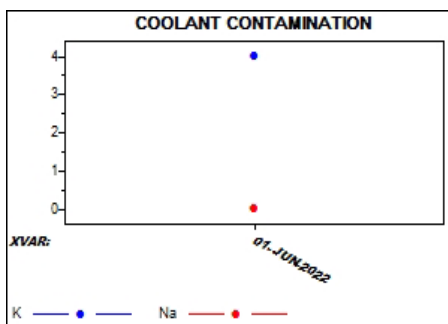
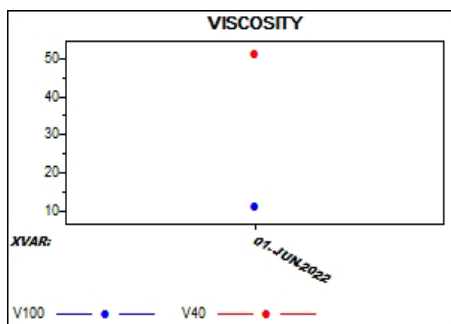
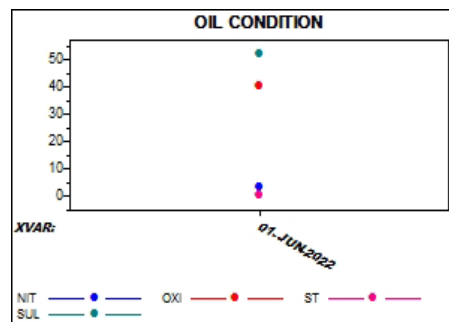
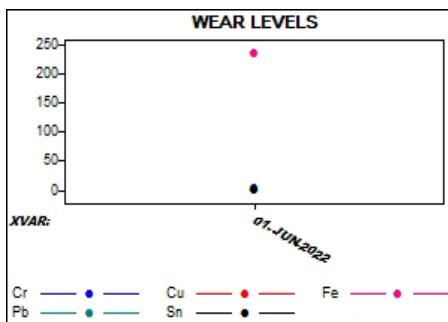
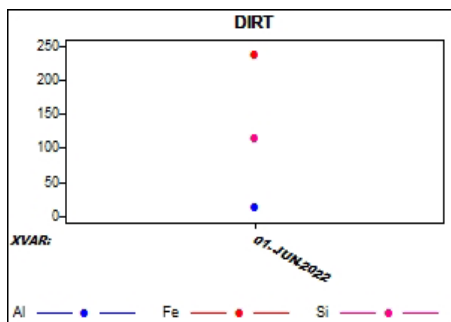
PARTICLE COUNT

ISO	ISO Code Rating	24/23/21
4μ	4μ	81974
6μ	6μ	70138
10μ	10μ	39531
14μ	14μ	13280
18μ	18μ	1813
21μ	21μ	359
38μ	38μ	19
50μ	50μ	11

WEAR LEVELS / ADDITIVES

01-Jun-22

ELEMENTAL ANALYSIS (ppm)		
Cu	Copper	0
Fe	Iron	236
Cr	Chromium	1
Al	Aluminum	13
Pb	Lead	0
Sn	Tin	0
Si	Silicon	113
Na	Sodium	0
K	Potassium	4
Mo	Molybdenum	1
Ni	Nickel	0
Ag	Silver	0
Ti	Titanium	1
V	Vanadium	0
Ca	Calcium	3152
P	Phosphorus	1008
Zn	Zinc	1241
Mg	Magnesium	18
Ba	Barium	0
B	Boron	1



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HYDRAULIC SYSTEM
EQUIP NUM: 162103
SERIAL NUMBER: EEH01260
N070-52187-7021

LABEL#: 200835678

SHOP JOB NUM : 2145995

SAMPLE SHIP TIME (days) : 35

AECON MINING K + S

RECEIVED DATE: 06-Jul-22

CAT 345D

No Action Required

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

Interp By: Greg Eyre
Interpreted On: 08-Jul-22
SAMPLE INFORMATION


Sampled Date	01-Jun-22
Sample Id	N070-52187-7021
Lab Date	06-Jul-22
Meter [Hr]	13269
Meter On Fluid	13269
Fluid Brand	
Fluid Weight	
Fluid Type	
Fluid Change	N
Filter Change	N

PREVIOUS SAMPLE

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

CONDITION / CONTAMINATION

01-Jun-22

VISCOSITY (Centistokes)

V100 Viscosity at 100 C 6.500

VISCOSITY (Centistokes)

V40 Viscosity at 40 C 29.20

VISCOSITY INDEX

VI Viscosity Index 186

INFRARED (UFM)

ST	Soot	0
OXI	Oxidation	31
SUL	Sulfur Products	42
NIT	Nitration	4

WATER

W Water N

ANTIFREEZE

A Antifreeze N

CLEANLINESS

01-Jun-22

PARTICLE COUNT

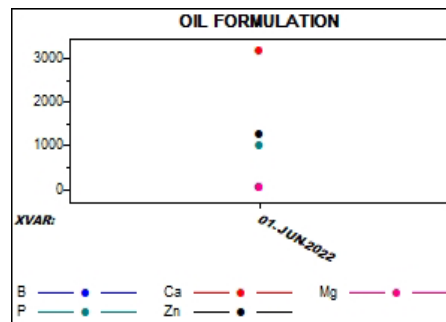
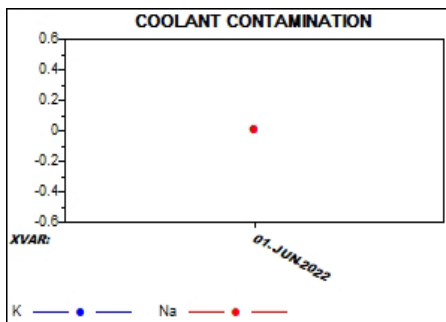
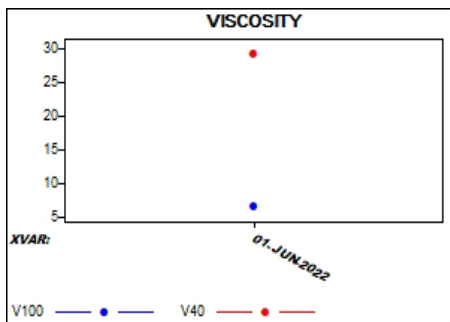
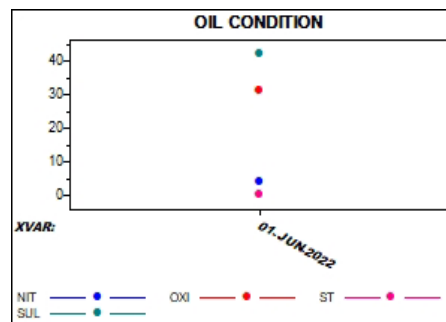
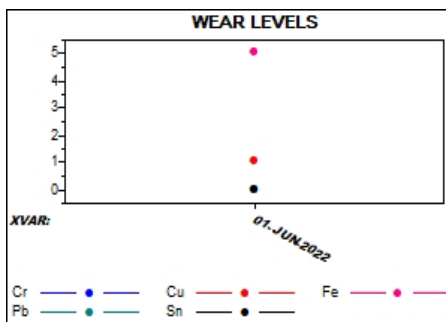
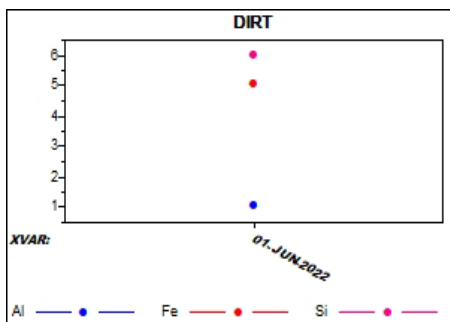
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4μ	4μ	15556
6μ	6μ	2441
10μ	10μ	440
14μ	14μ	132
18μ	18μ	47
21μ	21μ	26
38μ	38μ	7
50μ	50μ	5

WEAR LEVELS / ADDITIVES

01-Jun-22

ELEMENTAL ANALYSIS (ppm)

Cu	Copper	1
Fe	Iron	5
Cr	Chromium	0
Al	Aluminum	1
Pb	Lead	0
Sn	Tin	0
Si	Silicon	6
Na	Sodium	0
K	Potassium	0
Mo	Molybdenum	1
Ni	Nickel	0
Ag	Silver	0
Ti	Titanium	0
V	Vanadium	0
Ca	Calcium	3135
P	Phosphorus	996
Zn	Zinc	1250
Mg	Magnesium	12
Ba	Barium	0
B	Boron	1



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