

OIL ANALYSIS REPORT

SAMPLE INFORMATION method

Sample Rating Trend

limit/base

current



history1

history2

Area **PITT OHIO** Machine Id **PITT OHIO D2683** Component

Component Front Differential Fluid

{not provided} (--- GAL)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

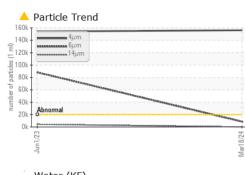
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

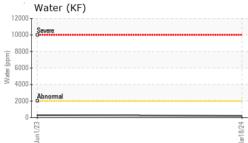
Iron ppm ASTM D5185m >500 100 20 Chromium ppm ASTM D5185m >10 <1 Nickel ppm ASTM D5185m >10 1 0 Silver ppm ASTM D5185m >25 1 <1 Lead ppm ASTM D5185m >25 0 0 Copper ppm ASTM D5185m >25 0 0 Vanadium ppm ASTM D5185m >100 <1 0 Vanadium ppm ASTM D5185m 0 0 <1 Cadmium ppm ASTM D5185m 0 0 Maganese ppm ASTM D5185m 7 4 Magnesium ppm ASTM D5185m 1830 1671 Silicon ppm ASTM D5185m 1830 <td< th=""><th>Sample Number</th><th></th><th>Client Info</th><th></th><th>WC0934483</th><th>WC0828723</th><th></th></td<>	Sample Number		Client Info		WC0934483	WC0828723	
Oil Age mls Client Info 0 0	Sample Date		Client Info		18 Mar 2024	01 Jun 2023	
Oil Changed Client Info N/A N/A ABNORMAL Sample Status method limit/base current history1 history1 WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >500 100 20 Chromium ppm ASTM D5185m >10 <1	Machine Age	mls	Client Info		98912	83	
Sample Status Method Imit/base current history1 history1 Iron ppm ASTM D5185m >500 100 20 Chromium ppm ASTM D5185m >10 -1 <1 Nickel ppm ASTM D5185m >10 1 0 Nickel ppm ASTM D5185m 0 0 Aluminum ppm ASTM D5185m >25 1 <1 Auminum ppm ASTM D5185m >25 0 0 Auminum ppm ASTM D5185m >10 <1 0 Copper ppm ASTM D5185m 10 <1 0 Cadmium ppm ASTM D5185m 0 0 Boron ppm ASTM D5185m 3 0 Molydeenum ppm ASTM D5185m 7 4	Oil Age	mls	Client Info		0	0	
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >500 100 20 Nickel ppm ASTM D5185m >10 -1 <1 Nickel ppm ASTM D5185m >10 1 0 Silver ppm ASTM D5185m >25 0 0 Lead ppm ASTM D5185m >25 0 0 Copper ppm ASTM D5185m >10 <1 0 Vanadium ppm ASTM D5185m 0 0 Cadmium ppm ASTM D5185m 0 0 Molybdenum ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 164 174	Oil Changed		Client Info		N/A	N/A	
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Chromium ppm ASTM D5185m >10 -1 Nickel ppm ASTM D5185m >10 1 0 Titanium ppm ASTM D5185m 0 0 0 Silver ppm ASTM D5185m >25 1 <1 Lead ppm ASTM D5185m >25 0 0 Copper ppm ASTM D5185m >10 <1 0 Cadmium ppm ASTM D5185m >10 <1 0 Cadmium ppm ASTM D5185m >10 <1 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 1830 1671 Sulif	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m >10 1 0 Titanium ppm ASTM D5185m 0 0 Silver ppm ASTM D5185m >25 1 Aluminum ppm ASTM D5185m >25 0 0 Copper ppm ASTM D5185m >25 0 0 Copper ppm ASTM D5185m >10 <1	Iron	ppm	ASTM D5185m	>500	100	20	
Titanium ppm ASTM D5185m 0 0 Silver ppm ASTM D5185m >25 1 <1	Chromium	ppm	ASTM D5185m	>10	<1	<1	
Silver ppm ASTM D5185m >25 1 Aluminum ppm ASTM D5185m >25 0 0 Lead ppm ASTM D5185m >25 0 0 Copper ppm ASTM D5185m >10 <1 0 Vanadium ppm ASTM D5185m >10 <1 0 Vanadium ppm ASTM D5185m >10 <1 0 Vanadium ppm ASTM D5185m 0 0 <1 Cadmium ppm ASTM D5185m 96 121 1 Barium ppm ASTM D5185m 96 121 1 Malganese ppm ASTM D5185m 96 121 1 1 Magnesium ppm ASTM D5185m 164 174 Calcium ppm ASTM D5185m	Nickel	ppm	ASTM D5185m	>10	1	0	
Aluminum ppm ASTM D5185m >25 1 <1 Lead ppm ASTM D5185m >25 0 0 Copper ppm ASTM D5185m >100 <1	Titanium	ppm	ASTM D5185m		0	0	
Lead ppm ASTM D5185m >25 0 0 Copper ppm ASTM D5185m >100 <1	Silver	ppm	ASTM D5185m		0	0	
Copper ppm ASTM D5185m >100 <1 0 Tin ppm ASTM D5185m >10 <1	Aluminum	ppm	ASTM D5185m	>25	1	<1	
Tin ppm ASTM D5185m >10 <1 0 Vanadium ppm ASTM D5185m 0 0 Cadmium ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 96 121 Barium ppm ASTM D5185m 0 0 Maganese ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 164 174 Calcium ppm ASTM D5185m 1830 1671 Zinc ppm ASTM D5185m 1830 1671 Sulfur ppm ASTM D5185m 30858 25056 Sulfur ppm ASTM D5185m >75 9 5 Sodium ppm ASTM D5185m >20 2 0 Yotassium ppm ASTM D5185m	Lead	ppm	ASTM D5185m	>25	0	0	
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Boron ppm ASTM D5185m 96 121 Barium ppm ASTM D5185m 3 0 Molybdenum ppm ASTM D5185m 0 0 Magnesee ppm ASTM D5185m 7 4 Magnesium ppm ASTM D5185m 164 174 Calcium ppm ASTM D5185m 7 3 Phosphorus ppm ASTM D5185m 7 3 Sulfur ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 30858 25056 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 9 5 Sodium ppm ASTM D5185m 20 2 0 Vater % ASTM D6304 >2 0.020	Cadmium	ppm	ASTM D5185m		0	0	
Barium ppm ASTM D5185m 3 0 Molybdenum ppm ASTM D5185m 0 0 Manganese ppm ASTM D5185m 7 4 Magnesium ppm ASTM D5185m 164 174 Calcium ppm ASTM D5185m 7 3 Phosphorus ppm ASTM D5185m 1830 1671 Zinc ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 30858 25056 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 9 5 Sodium ppm ASTM D5185m >20 2 0 Vater % ASTM D5185m >20 2 0.020 0.028 ppm Water pm ASTM D6304 >2 0.020 0.028 Particl	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 0 Manganese ppm ASTM D5185m 7 4 Magnesium ppm ASTM D5185m 164 174 Calcium ppm ASTM D5185m 7 3 Phosphorus ppm ASTM D5185m 7 3 Zinc ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 0 0 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >75 9 5 Sodium ppm ASTM D5185m >20 2 0 Water % ASTM D6304 >2 0.020 0.028 ppm Water ppm ASTM D647 >2000 156218 154204 Particles >4µm ASTM D7647	Boron	ppm	ASTM D5185m		96	121	
Manganese ppm ASTM D5185m 7 4 Magnesium ppm ASTM D5185m 164 174 Calcium ppm ASTM D5185m 7 3 Calcium ppm ASTM D5185m 7 3 Zinc ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 30858 25056 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >75 9 5 Sodium ppm ASTM D5185m >20 2 0 Vater % ASTM D5304 >2 0.020 0.028 ppm Water ppm ASTM D6304 >2000 208 283.0 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm <td>Barium</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>3</th> <td>0</td> <td></td>	Barium	ppm	ASTM D5185m		3	0	
Magnesium ppm ASTM D5185m 164 174 Calcium ppm ASTM D5185m 7 3 Phosphorus ppm ASTM D5185m 1830 1671 Zinc ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 30858 25056 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >75 9 5 Sodium ppm ASTM D5185m >20 2 0 Vater % ASTM D6304 >.2 0.020 0.028 ppm Water ppm ASTM D6304 >.2 0.020 0.028 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 >20000 156218 154204 Pa	Molybdenum	ppm	ASTM D5185m		0	0	
Calcium ppm ASTM D5185m 7 3 Phosphorus ppm ASTM D5185m 1830 1671 Zinc ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 30858 25056 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 9 5 Sodium ppm ASTM D5185m >75 9 5 Sodium ppm ASTM D5185m >20 2 0 Vater % ASTM D6304 >.2 0.020 0.028 ppm Water ppm ASTM D6304 >2000 208 283.0 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 156218 154204 <	Manganese	ppm	ASTM D5185m		7	4	
Phosphorus ppm ASTM D5185m 1830 1671 Zinc ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 30858 25056 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 9 5 Sodium ppm ASTM D5185m >75 9 5 Sodium ppm ASTM D5185m >20 2 0 Vater % ASTM D6304 >.2 0.020 0.028 Water ppm ASTM D6304 >.2 0.020 0.028 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 >20000 156218 154204 Particles >6µm ASTM D7647 >640 61 4292 <td>Magnesium</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>164</th> <td>174</td> <td></td>	Magnesium	ppm	ASTM D5185m		164	174	
Zinc ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 30858 25056 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >75 9 5 Sodium ppm ASTM D5185m >75 9 5 Sodium ppm ASTM D5185m >20 2 0 Vater % ASTM D50304 >.2 0.020 0.028 Water % ASTM D6304 >.2 0.020 0.028 Ppm Water ppm ASTM D6304 >.2 0.020 0.028 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 >20000 156218 154204 Particles >6µm ASTM D7647 >640 61 4292 Particles >1µm ASTM D7647 >100 15 4	Calcium	ppm	ASTM D5185m		7	3	
Sulfur ppm ASTM D5185m 30858 25056 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 9 5 Sodium ppm ASTM D5185m >75 9 5 Sodium ppm ASTM D5185m >20 2 0 Potassium ppm ASTM D5185m >20 2 0 Water % ASTM D6304 >.2 0.020 0.028 ppm Water ppm ASTM D6304 >.2000 208 283.0 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 156218 154204 Particles >6µm ASTM D7647 >640 61 4292 Particles >21µm ASTM D7647 01 1 <th< th=""><th>Phosphorus</th><th>ppm</th><th>ASTM D5185m</th><th></th><th>1830</th><th>1671</th><th></th></th<>	Phosphorus	ppm	ASTM D5185m		1830	1671	
CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >75 9 5 Sodium ppm ASTM D5185m >75 9 5 Potassium ppm ASTM D5185m >20 2 0 Water % ASTM D6304 >.2 0.020 0.028 ppm Water ppm ASTM D6304 >.2 0.020 0.028 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 156218 154204 Particles >6µm ASTM D7647 >5000 8670 88215 Particles >14µm ASTM D7647 >640 61 4292 Particles >21µm ASTM D7647 >160 15 499 Particles >38µm ASTM D7647 >10 1 <td< th=""><th>Zinc</th><th>ppm</th><th>ASTM D5185m</th><th></th><th>0</th><th>0</th><th></th></td<>	Zinc	ppm	ASTM D5185m		0	0	
Silicon ppm ASTM D5185m >75 9 5 Sodium ppm ASTM D5185m 4 <1 Potassium ppm ASTM D5185m >20 2 0 Water % ASTM D6304 >.2 0.020 0.028 ppm Water ppm ASTM D6304 >.2 0.020 0.028 ppm Water ppm ASTM D6304 >2000 208 283.0 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 >20000 156218 154204 Particles >6µm ASTM D7647 >5000 8670 88215 Particles >6µm ASTM D7647 >640 61 4292 Particles >21µm ASTM D7647 >160 15 499 Particles >38µm ASTM D7647 >10 1 1 Particles >71µm ASTM D7647 10 1 24/24/19	Sulfur	ppm	ASTM D5185m		30858	25056	
Sodium ppm ASTM D5185m 4 <1	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 2 0 Water % ASTM D6304 >.2 0.020 0.028 ppm Water ppm ASTM D6304 >.2 0.020 208 283.0 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >2000 156218 154204 Particles >6µm ASTM D7647 >5000 8670 88215 Particles >6µm ASTM D7647 >640 61 4292 Particles >14µm ASTM D7647 >160 15 499 Particles >38µm ASTM D7647 >10 1 9 Particles >71µm ASTM D7647 >10 1 1 Oil Cleanliness ISO 4406 (c) >21/19/16 24/20/13 24/24/19	Silicon	ppm	ASTM D5185m	>75	9	5	
Water % ASTM D6304 >.2 0.020 0.028 ppm Water ppm ASTM D6304 >2000 208 283.0 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 >20000 156218 154204 Particles >6µm ASTM D7647 >5000 8670 88215 Particles >6µm ASTM D7647 >640 61 4292 Particles >14µm ASTM D7647 >160 15 499 Particles >21µm ASTM D7647 >40 1 9 Particles >71µm ASTM D7647 >10 1 1 Oil Cleanliness ISO 4406 (c) >21/19/16 24/20/13 24/24/19	Sodium	ppm	ASTM D5185m		4	<1	
ppm Water ppm ASTM D6304 >2000 208 283.0 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 >20000 ▲ 156218 ▲ 154204 Particles >6µm ASTM D7647 >5000 ● 8670 ▲ 88215 Particles >14µm ASTM D7647 >640 61 ▲ 4292 Particles >21µm ASTM D7647 >160 15 ▲ 499 Particles >38µm ASTM D7647 >40 1 9 Particles >71µm ASTM D7647 >10 1 1 Oil Cleanliness ISO 4406 (c) >21/19/16 24/20/13 24/24/19	Potassium	ppm	ASTM D5185m	>20	2	0	
FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 ▲ 156218 ▲ 154204 Particles >6µm ASTM D7647 >5000 ● 8670 ▲ 88215 Particles >6µm ASTM D7647 >640 61 ▲ 4292 Particles >21µm ASTM D7647 >160 15 ▲ 499 Particles >38µm ASTM D7647 >40 1 9 Particles >71µm ASTM D7647 >10 1 1 Oil Cleanliness ISO 4406 (c) >21/19/16 24/20/13 24/24/19	Water	%	ASTM D6304	>.2	0.020	0.028	
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Particles >6µm ASTM D7647 >5000 ● 8670 ▲ 88215 Particles >14µm ASTM D7647 >640 61 ▲ 4292 Particles >21µm ASTM D7647 >160 15 ▲ 499 Particles >38µm ASTM D7647 >40 1 9 Particles >71µm ASTM D7647 >10 1 1 Oil Cleanliness ISO 4406 (c) >21/19/16 24/20/13 24/24/19	FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >14μm ASTM D7647 >640 61 4292 Particles >21μm ASTM D7647 >160 15 499 Particles >28μm ASTM D7647 >40 1 9 Particles >38μm ASTM D7647 >40 1 1 Particles >71μm ASTM D7647 >10 1 1 Oil Cleanliness ISO 4406 (c) >21/19/16 24/20/13 24/24/19	Particles >4µm		ASTM D7647	>20000	<u> </u>	154204	
Particles >21μm ASTM D7647 >160 15 499 Particles >38μm ASTM D7647 >40 1 9 Particles >71μm ASTM D7647 >10 1 1 Oil Cleanliness ISO 4406 (c) >21/19/16 ▲ 24/20/13 ▲ 24/24/19	Particles >6µm		ASTM D7647	>5000	<u> </u>	<u> </u>	
Particles >38μm ASTM D7647 >40 1 9 Particles >71μm ASTM D7647 >10 1 1 Oil Cleanliness ISO 4406 (c) >21/19/16 24/20/13 24/24/19	Particles >14µm		ASTM D7647	>640	61	4292	
Particles >71µm ASTM D7647 >10 1 1 Oil Cleanliness ISO 4406 (c) >21/19/16 ▲ 24/20/13 ▲ 24/24/19	Particles >21µm		ASTM D7647	>160	15	4 99	
Oil Cleanliness ISO 4406 (c) >21/19/16 24/20/13 24/24/19	Particles >38µm		ASTM D7647	>40	1	9	
	Particles >71µm		ASTM D7647	>10	1	1	
FLUID DEGRADATION method limit/base current history1 history2	Oil Cleanliness		ISO 4406 (c)	>21/19/16	4/20/13	4 /24/19	
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045 0.65 0.92	Acid Number (AN)	mg KOH/g	ASTM D8045		0.65	0.92	

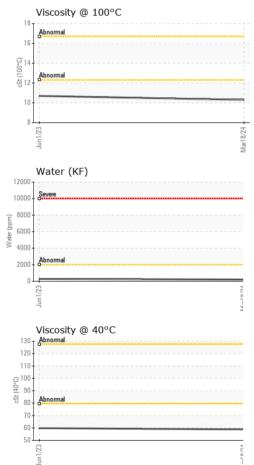
Contact/Location: GIANNA CREDAROLI - BASTARHD Page 1 of 2



OIL ANALYSIS REPORT







		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
	scalar	*Visual	NORML	NORML	NORML	
			limit/base			history2
			11			
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						no image
Bottom						no image
GRAPHS						
Ferrous Alloys				Particle Cour		
					IC	1.22
100 80			491,520		IC	T ²⁶
80 - iron				Severe	IL	
80 - iron			491,520	Severe	ıt	-24
80 iron 60 iron 40 nickel	_		491,520 122,880 30,720	Severe Abnormal	it.	-24 -22
E 60 40 20			491,520 122,880 30,720	Severe Abnormal	•	-24 -22
80 iron 60 iron 40 nickel			491,520 122,880 30,720	Abnormal		-24 -22
80 60 40 20 0 EX E	s		491,520 122,880 30,720	Severe Abnomit		+24 -22
E 60 40 20	s		491,520 122,880 30,720	Abnorma		+24 -22
Non-ferrous Metals	s		491,520 122,880 30,720	Abnorma		+24 -22
Non-ferrous Metals	s		491.520 122.880 30.720 +7.680 +7.680 1.920 +1.920 900 1.920 480 480	Abnorma		+24 +22
Non-ferrous Metals	s		491.520 122.880 30.720 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Abnorm		+24 +22
Non-ferrous Metals	S		491.520 122.880 30.720 10 122.880 10 10 122.880 10 122.880 10000000000000000000000000000000000	Abnorm		-24 -22 -20 -18 -16 -14 -14 -12
Non-ferrous Metals	5		491.520 122.880 30.720 10 122.880 10 10 122.880 10 122.880 10000000000000000000000000000000000	Abnorm		-24 -22 -20 -18 -16 -14 -14 -12
Non-ferrous Metals	S		491.520 122.880 30.720 47280 47290 47280 47290 47200 47290 472000 470000000000	Abnorma		-24 -22 -20 -18 -16 -14 -12 -10 -8 -6
Non-ferrous Metals	S		491.520 122.880 30.720 +C0[12] +C0[Abnorma Abnorma Additional Acid Number	144 214	-24 -22 -20 -18 -16 -14 -14 -12
Non-ferrous Metals	s		491.520 122.880 30.720 +C0[12] +C0[Abnorma Abnorma Additional Acid Number	144 214	-24 -22 -20 -18 -16 -14 -14 -12 -10 -8 -6
Non-ferrous Metals	s		491.520 122.880 30.720 +C0[12] +C0[Abnorma Abnorma Additional Acid Number	144 214	-24 -22 -20 -18 -16 -14 -14 -12 -10 -8 -6
Non-ferrous Metals	s		491.520 122.880 30.720 +C0[12] +C0[Abnorma Abnorma Additional Acid Number	144 214	-24 -22 -20 -18 -16 -14 -14 -12 -10 -8 -6
Non-ferrous Metals	S		491.520 122.880 30.720 +C0[12] +C0[Abnorma Abnorma Additional Acid Number	144 214	-24 -22 -20 -18 -16 -14 -14 -12 -10 -8 -6
Non-ferrous Metals	5		491.520 122.880 30.720 10 122.880 10 10 122.880 10 122.880 10000000000000000000000000000000000	Abnorma Abnorma Additional Acid Number	144 214	-24 -22 -20 -18 -16 -14 -14 -12 -10 -8 -6
	Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERT Visc @ 40°C Visc @ 100°C Viscosity Index (VI) SAMPLE IMAGES Color Bottom GRAPHS	PrecipitatescalarSiltscalarDebrisscalarSand/DirtscalarAppearancescalarOdorscalarEmulsified WaterscalarFree WaterscalarFLUID PROPERTIESvisc @ 40°CVisc @ 40°CcStVisc @ 100°CcStViscosity Index (VI)ScaleSAMPLE IMAGESColorBottomGRAPHS	Precipitatescalar*VisualSiltscalar*VisualDebrisscalar*VisualSand/Dirtscalar*VisualAppearancescalar*VisualOdorscalar*VisualEmulsified Waterscalar*VisualFree Waterscalar*VisualFLUID PROPERTIESmethodVisc @ 40°CcStASTM D445Visc @ 100°CcStASTM D445Visc @ 100°CcStASTM D4270SAMPLE IMAGESmethodColorGRAPHS	Precipitatescalar*VisualNONESiltscalar*VisualNONEDebrisscalar*VisualNONESand/Dirtscalar*VisualNONEAppearancescalar*VisualNORMLOdorscalar*VisualNORMLOdorscalar*VisualNORMLEmulsified Waterscalar*Visual>.2Free Waterscalar*Visual>.2Free Waterscalar*Visual>.2Free Waterscalar*Visual>.2Visc @ 40°CcStASTM D445Visc @ 100°CcStASTM D445Viscosity Index (VI)ScaleASTM D2270SAMPLE IMAGESmethodlimit/baseColorSamplesmethodlimit/baseGRAPHS	Precipitatescalar*VisualNONENONESiltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>.2NEGFree Waterscalar*Visual>.2NEGFull D PROPERTIESmethodlimit/basecurrentVisc @ 40°CcStASTM D44558.8Visc @ 100°CcStASTM D44510.3Viscosity Index (VI)ScaleASTM D2270164SAMPLE IMAGESmethodlimit/basecurrentColorStateStateScalarBottomImage: StateStateStateGRAPHSStateStateState	Precipitatescalar*VisualNONENONENONESiltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*Visual>.2NEGNEGVisc @ 40°CcStASTM D44558.859.859.8Visc @ 100°CcStASTM D44510.310.7Viscosity Index (VI)ScaleASTM D2270164171SAMPLE IMAGESmethodlimit/basecurrenthistory1ColorImit/basecurrenthistory1BottomImit/basecurrenthistory1GRAPHS

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