

OIL ANALYSIS REPORT

Sample Rating Trend

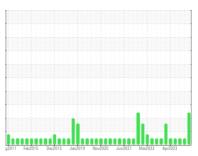
GLYCOL



(YA139861) Machine Id 10034 Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (46 QTS)





DIAGNOSIS

Recommendation

We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Sodium and/or potassium levels are high.

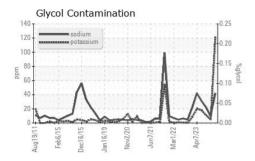
Fluid Condition

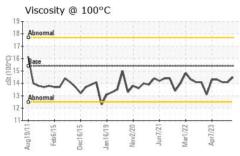
The BN result indicates that there is suitable alkalinity remaining in the oil.

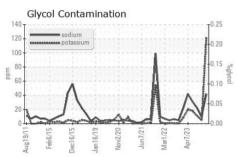
SAMPLE INFORMATION method limit/base current history1 history2	OAMBI E INTEGE			11 10 10			
Sample Date Client Info 10 Feb 2024 23 Aug 2023 20 Jul 2023 Machine Age hrs Client Info 7187 251457 251457 251457 Oil Age hrs Client Info 600 251457 251457 251457 Oil Changed Client Info Changed Change Change Change Change Change C	SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 7187 251457 2	Sample Number		Client Info		GFL0099833	GFL0080592	GFL0080550
Oil Age hrs Client Info 600 251457 251457 Oil Changed Sample Status Client Info Changed ABNORMAL Changed Changed Changed Changed NORMAL Changed NORMAL Changed NORMAL Changed Changed Changed NORMAL N	Sample Date		Client Info		10 Feb 2024	23 Aug 2023	20 Jul 2023
Client Info	Machine Age	hrs	Client Info		7187	251457	251457
ABNORMAL NORMAL NORMAL CONTAMINATION method limit/base current history1 history2	Oil Age	hrs	Client Info		600	251457	251457
CONTAMINATION method limit/base current history1 history2 Fuel WC Method >3.0 <1.0	Oil Changed		Client Info		Changed	Changed	Changed
Fuel	Sample Status				ABNORMAL	NORMAL	NORMAL
Water WC Method >0.2 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >90 24 44 82 Chromium ppm ASTM D5185m >20 <1	CONTAMINAT	ION	method	limit/base	current	history1	history2
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >90 24 44 82 Chromium ppm ASTM D5185m >20 <1	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Iron	Water		WC Method	>0.2	NEG	NEG	NEG
Chromium ppm ASTM D5185m >20 <1 2 3 Nickel ppm ASTM D5185m >2 0 <1	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>90	24	44	82
Titanium ppm ASTM D5185m >2 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 ASTM D5185m >20 1 7 6 Lead ppm ASTM D5185m >40 1 <1 5 Copper ppm ASTM D5185m >330 2 1 2 Tin ppm ASTM D5185m 0 <1 <1 <1 Vanadium ppm ASTM D5185m 0 0 <1 <1 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history1 Barrium ppm ASTM D5185m 0 8 4 3 Barrium ppm ASTM D5185m 0 59 62 64 Magnesium </td <td>Chromium</td> <td>ppm</td> <td>ASTM D5185m</td> <td>>20</td> <th><1</th> <td>2</td> <td>3</td>	Chromium	ppm	ASTM D5185m	>20	<1	2	3
Silver	Nickel	ppm	ASTM D5185m	>2	0	<1	1
Aluminum	Titanium	ppm	ASTM D5185m	>2	0	0	0
Lead ppm ASTM D5185m >40 1 <1 5 Copper ppm ASTM D5185m >330 2 1 2 Tin ppm ASTM D5185m >15 0 <1 <1 Vanadium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 8 4 3 Barium ppm ASTM D5185m 0 8 0 0 Molybdenum ppm ASTM D5185m 0 8 0 0 Malesium ppm ASTM D5185m 0 0 <1 <1 <1 Magnesium ppm ASTM D5185m 1010 801 995 1009 Calcium ppm ASTM D5185m 1070 1001 1114 113 113 Zinc ppm ASTM D5185m 1270<	Silver	ppm	ASTM D5185m	>2	0	0	0
Copper ppm ASTM D5185m >330 2 1 2 Tin ppm ASTM D5185m >15 0 <1	Aluminum	ppm	ASTM D5185m	>20	1	7	6
Tin	Lead	ppm	ASTM D5185m	>40	1	<1	5
Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 8 4 3 Barium ppm ASTM D5185m 0 8 0 0 Molybdenum ppm ASTM D5185m 0 0 4 4 Manganese ppm ASTM D5185m 0 0 <1 <1 Magnesium ppm ASTM D5185m 1010 801 995 1009 Calcium ppm ASTM D5185m 1070 1001 1114 1139 Phosphorus ppm ASTM D5185m 1270 1065 1316 1331 Sulfur ppm ASTM D5185m 2060 2729 3799 3632 CONTAMINANTS method limit/base current history1 <	Copper	ppm	ASTM D5185m	>330	2	1	2
Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 8 4 3 Barium ppm ASTM D5185m 0 8 0 0 Molybdenum ppm ASTM D5185m 0 59 62 64 Manganese ppm ASTM D5185m 0 0 <1 <1 Magnesium ppm ASTM D5185m 1010 801 995 1009 Calcium ppm ASTM D5185m 1070 1001 1114 1139 Phosphorus ppm ASTM D5185m 1150 791 1075 1068 Zinc ppm ASTM D5185m 1270 1065 1316 1331 Sulfur ppm ASTM D5185m 2060 2729 3799 3632 CONTAMINANTS method limit/base current	Tin	ppm	ASTM D5185m	>15	0	<1	<1
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 8 4 3 Barium ppm ASTM D5185m 0 8 0 0 Molybdenum ppm ASTM D5185m 0 0 <1	Vanadium	ppm	ASTM D5185m		0	0	0
Boron	Cadmium	ppm	ASTM D5185m		0	0	0
Barium ppm ASTM D5185m 0 8 0 0 Molybdenum ppm ASTM D5185m 60 59 62 64 Manganese ppm ASTM D5185m 0 0 <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 60 59 62 64 Manganese ppm ASTM D5185m 0 0 <1 <1 Magnesium ppm ASTM D5185m 1010 801 995 1009 Calcium ppm ASTM D5185m 1070 1001 1114 1139 Phosphorus ppm ASTM D5185m 1150 791 1075 1068 Zinc ppm ASTM D5185m 1270 1065 1316 1331 Sulfur ppm ASTM D5185m 2060 2729 3799 3632 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 7 7 13 Sodium ppm ASTM D5185m >20 121 5 11 Glycol % *ASTM D5185m >20 121 5 11 Glycol % *ASTM D5185m	Doron		10TH D = 10=	•	0	1	0
Manganese ppm ASTM D5185m 0 0 <1 <1 Magnesium ppm ASTM D5185m 1010 801 995 1009 Calcium ppm ASTM D5185m 1070 1001 1114 1139 Phosphorus ppm ASTM D5185m 1150 791 1075 1068 Zinc ppm ASTM D5185m 1270 1065 1316 1331 Sulfur ppm ASTM D5185m 2060 2729 3799 3632 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 7 7 13 Sodium ppm ASTM D5185m >25 7 7 13 Sodium ppm ASTM D5185m >20 121 5 11 Glycol % ASTM D282 NEG NEG NEG INFRA-RED method limit/base current hist	DOTOTI	ppm	ASTM D5185m	0	0	4	3
Magnesium ppm ASTM D5185m 1010 801 995 1009 Calcium ppm ASTM D5185m 1070 1001 1114 1139 Phosphorus ppm ASTM D5185m 1150 791 1075 1068 Zinc ppm ASTM D5185m 1270 1065 1316 1331 Sulfur ppm ASTM D5185m 2060 2729 3799 3632 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 7 7 13 Sodium ppm ASTM D5185m >20 42 10 22 Potassium ppm ASTM D5185m >20 121 5 11 Glycol % *ASTM D5185m >20 NEG NEG NEG INFRA-RED method limit/base current history1 history2 Soot % % *ASTM							
Calcium ppm ASTM D5185m 1 070 1001 1114 1139 Phosphorus ppm ASTM D5185m 1 150 791 1 075 1 068 Zinc ppm ASTM D5185m 1 270 1 065 1 316 1 331 Sulfur ppm ASTM D5185m 2060 2729 3799 3632 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 7 7 13 Sodium ppm ASTM D5185m >20 42 10 22 Potassium ppm ASTM D5185m >20 121 5 11 Glycol % *ASTM D5185m >20 NEG NEG NEG INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >6 0.3 1.5 3 Nitration	Barium	ppm	ASTM D5185m	0	8	0	0
Phosphorus ppm ASTM D5185m 1150 791 1075 1068 Zinc ppm ASTM D5185m 1270 1065 1316 1331 Sulfur ppm ASTM D5185m 2060 2729 3799 3632 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 7 7 13 Sodium ppm ASTM D5185m >20 42 10 22 Potassium ppm ASTM D5185m >20 121 5 11 Glycol % *ASTM D5185m >20 121 5 11 Glycol % *ASTM D5185m >20 NEG NEG NEG INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >6 0.3 1.5 3 Nitration Abs/cm *ASTM D7415	Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m	0 60	8 59	0 62	0 64
Zinc ppm ASTM D5185m 1270 1065 1316 1331 Sulfur ppm ASTM D5185m 2060 2729 3799 3632 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 7 7 13 Sodium ppm ASTM D5185m >20 42 10 22 Potassium ppm ASTM D5185m >20 121 5 11 Glycol % *ASTM D5185m >20 121 5 11 Glycol % *ASTM D5185m >20 121 5 11 Glycol % *ASTM D5185m >20 NEG NEG NEG INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >6 0.3 1.5 3 Nitration Abs/cm *ASTM D7415 <td< td=""><td>Barium Molybdenum Manganese</td><td>ppm ppm</td><td>ASTM D5185m ASTM D5185m ASTM D5185m</td><td>0 60 0</td><th>8 59 0</th><td>0 62 <1</td><td>0 64 <1</td></td<>	Barium Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	0 60 0	8 59 0	0 62 <1	0 64 <1
Sulfur ppm ASTM D5185m 2060 2729 3799 3632 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 7 7 13 Sodium ppm ASTM D5185m A2 10 22 Potassium ppm ASTM D5185m >20 121 5 11 Glycol % *ASTM D2982 NEG NEG NEG INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >6 0.3 1.5 3 Nitration Abs/cm *ASTM D7624 >20 5.8 7.4 11.0 Sulfation Abs/.1mm *ASTM D7415 >30 18.4 20.3 24.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 1	Barium Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 60 0 1010	8 59 0 801	0 62 <1 995	0 64 <1 1009
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 7 7 13 Sodium ppm ASTM D5185m ▲ 42 10 22 Potassium ppm ASTM D5185m >20 ▲ 121 5 11 Glycol % *ASTM D2982 NEG NEG NEG INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >6 0.3 1.5 3 Nitration Abs/cm *ASTM D7624 >20 5.8 7.4 11.0 Sulfation Abs/.1mm *ASTM D7415 >30 18.4 20.3 24.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 13.8 13.9 17.0	Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 60 0 1010 1070	8 59 0 801 1001	0 62 <1 995 1114	0 64 <1 1009 1139
Silicon ppm ASTM D5185m >25 7 7 13 Sodium ppm ASTM D5185m ▲ 42 10 22 Potassium ppm ASTM D5185m >20 ▲ 121 5 11 Glycol % *ASTM D2982 NEG NEG NEG INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >6 0.3 1.5 3 Nitration Abs/cm *ASTM D7624 >20 5.8 7.4 11.0 Sulfation Abs/.1mm *ASTM D7415 >30 18.4 20.3 24.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 13.8 13.9 17.0	Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 60 0 1010 1070 1150	8 59 0 801 1001 791	0 62 <1 995 1114 1075	0 64 <1 1009 1139 1068
Sodium ppm ASTM D5185m ▲ 42 10 22 Potassium ppm ASTM D5185m >20 ▲ 121 5 11 Glycol % *ASTM D2982 NEG NEG NEG INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >6 0.3 1.5 3 Nitration Abs/cm *ASTM D7624 >20 5.8 7.4 11.0 Sulfation Abs/.1mm *ASTM D7415 >30 18.4 20.3 24.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 13.8 13.9 17.0	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 60 0 1010 1070 1150 1270	8 59 0 801 1001 791 1065	0 62 <1 995 1114 1075 1316	0 64 <1 1009 1139 1068 1331
Potassium ppm ASTM D5185m >20 ▲ 121 5 11 Glycol % *ASTM D2982 NEG NEG NEG INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >6 0.3 1.5 3 Nitration Abs/cm *ASTM D7624 >20 5.8 7.4 11.0 Sulfation Abs/.1mm *ASTM D7415 >30 18.4 20.3 24.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 13.8 13.9 17.0	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 60 0 1010 1070 1150 1270 2060	8 59 0 801 1001 791 1065 2729	0 62 <1 995 1114 1075 1316 3799	0 64 <1 1009 1139 1068 1331 3632
NEG NEG	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 60 0 1010 1070 1150 1270 2060	8 59 0 801 1001 791 1065 2729	0 62 <1 995 1114 1075 1316 3799 history1	0 64 <1 1009 1139 1068 1331 3632 history2
INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >6 0.3 1.5 3 Nitration Abs/cm *ASTM D7624 >20 5.8 7.4 11.0 Sulfation Abs/.1mm *ASTM D7415 >30 18.4 20.3 24.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 13.8 13.9 17.0	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm	ASTM D5185m	0 60 0 1010 1070 1150 1270 2060	8 59 0 801 1001 791 1065 2729 current	0 62 <1 995 1114 1075 1316 3799 history1	0 64 <1 1009 1139 1068 1331 3632 history2
Soot % % *ASTM D7844 > 6 0.3 1.5 3 Nitration Abs/cm *ASTM D7624 > 20 5.8 7.4 11.0 Sulfation Abs/.1mm *ASTM D7415 > 30 18.4 20.3 24.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 > 25 13.8 13.9 17.0	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm	ASTM D5185m	0 60 0 1010 1070 1150 1270 2060 limit/base >25	8 59 0 801 1001 791 1065 2729 current 7 42	0 62 <1 995 1114 1075 1316 3799 history1 7	0 64 <1 1009 1139 1068 1331 3632 history2 13
Nitration Abs/cm *ASTM D7624 >20 5.8 7.4 11.0 Sulfation Abs/.1mm *ASTM D7415 >30 18.4 20.3 24.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 13.8 13.9 17.0	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm	ASTM D5185m	0 60 0 1010 1070 1150 1270 2060 limit/base >25	8 59 0 801 1001 791 1065 2729 current 7 42 121	0 62 <1 995 1114 1075 1316 3799 history1 7 10 5	0 64 <1 1009 1139 1068 1331 3632 history2 13 22
Sulfation Abs/.1mm *ASTM D7415 >30 18.4 20.3 24.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 13.8 13.9 17.0	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Glycol	ppm	ASTM D5185m Method ASTM D5185m	0 60 0 1010 1070 1150 1270 2060 limit/base >25	8 59 0 801 1001 791 1065 2729 current 7 42 121 NEG	0 62 <1 995 1114 1075 1316 3799 history1 7 10 5 NEG	0 64 <1 1009 1139 1068 1331 3632 history2 13 22 11 NEG
Sulfation Abs/.1mm *ASTM D7415 >30 18.4 20.3 24.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 13.8 13.9 17.0	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Glycol INFRA-RED	ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 60 0 1010 1070 1150 1270 2060 limit/base >25 >20	8 59 0 801 1001 791 1065 2729	0 62 <1 995 1114 1075 1316 3799 history1 7 10 5 NEG	0 64 <1 1009 1139 1068 1331 3632 history2 13 22 11 NEG history2
Oxidation Abs/.1mm *ASTM D7414 >25 13.8 13.9 17.0	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Glycol INFRA-RED Soot %	ppm	ASTM D5185m *ASTM D5185m *ASTM D5185m *ASTM D5185m ASTM D5185m *ASTM D7844	0 60 0 1010 1070 1150 1270 2060 limit/base >25 >20	8 59 0 801 1001 791 1065 2729	0 62 <1 995 1114 1075 1316 3799 history1 7 10 5 NEG history1 1.5	0 64 <1 1009 1139 1068 1331 3632 history2 13 22 11 NEG history2 3
	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Glycol INFRA-RED Soot % Nitration	ppm	ASTM D5185m *ASTM D7844 *ASTM D7844	0 60 0 1010 1070 1150 1270 2060 limit/base >25 >20 limit/base >6 >20	8 59 0 801 1001 791 1065 2729	0 62 <1 995 1114 1075 1316 3799 history1 7 10 5 NEG history1 1.5 7.4	0 64 <1 1009 1139 1068 1331 3632 history2 13 22 11 NEG history2 3 11.0
	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Glycol INFRA-RED Soot % Nitration Sulfation	ppm	ASTM D5185m *ASTM D7844 *ASTM D7624 *ASTM D76145	0 60 0 1010 1070 1150 1270 2060 limit/base >25 >20 limit/base >6 >20 >30	8 59 0 801 1001 791 1065 2729	0 62 <1 995 1114 1075 1316 3799 history1 7 10 5 NEG history1 1.5 7.4 20.3	0 64 <1 1009 1139 1068 1331 3632 history2 13 22 11 NEG history2 3 11.0 24.4
	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Glycol INFRA-RED Soot % Nitration Sulfation FLUID DEGRAE	ppm	ASTM D5185m *ASTM D7844 *ASTM D7844 *ASTM D7624 *ASTM D7624 *ASTM D7415 *Method	0 60 0 1010 1070 1150 1270 2060 limit/base >25 >20 limit/base >6 >20 >30 limit/base	8 59 0 801 1001 791 1065 2729	0 62 <1 995 1114 1075 1316 3799 history1 7 10 5 NEG history1 1.5 7.4 20.3 history1	0 64 <1 1009 1139 1068 1331 3632 history2 13 22 11 NEG history2 3 11.0 24.4 history2



OIL ANALYSIS REPORT





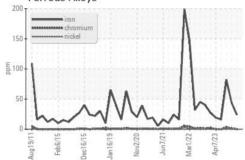


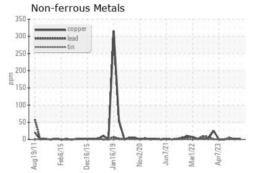
		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

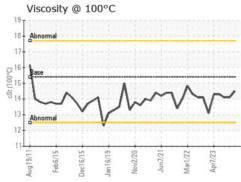
FLUID PROP	EKIIE2	method	ilmit/base	current	nistory i	nistoryz
Visc @ 100°C	cSt	ASTM D445	15.4	14.5	14.1	14.1

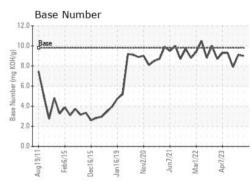
GRAPHS

Ferrous Alloys













Certificate L2367

Laboratory Sample No. Lab Number : 06088539

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0099833

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Tested Unique Number : 10875984 Test Package: FLEET (Additional Tests: Glycol)

Diagnosed

Received

: 15 Feb 2024 : 15 Feb 2024 - Jonathan Hester

: 14 Feb 2024

GFL Environmental - 018 - Fayetteville 4621 Marracco Drive

Hope Mills, NC US 28348

Contact: Robert Carter robert.carter@gflenv.com T: (910)596-1170

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: