

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 812101

Component Diesel Engine

Fluid PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sample Date Client Info 05 Jan 2024 18 Dec 2023 30 Nov 2023 Machine Age hrs Client Info 6887 6737 6608 Oil Age hrs Client Info 150 554 465 Oil Changed Client Info NA Changed N/A Sample Status method limit/base current history1 history2 Fuel WC Method >5 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG Glycol WC Method >0.2 NEG NEG NEG Water ppm ASTM D5165m >110 3 12 5 Chromium ppm ASTM D5165m >2 0 0 <1 Silver ppm ASTM D5165m >2 0 0 <1 Silver ppm ASTM D5165m >2 0 0 0 Silver ppm ASTM D5165m	àAL)		Dec2022 Ma	y2023 Jun2023 Ju	2023 Sep2023 Nov2023	Dec2023	
Sample Date Client Info 05 Jan 2024 18 Dec 2023 30 Nov 2023 Machine Age hrs Client Info 6887 6737 6608 Oil Age hrs Client Info 150 594 465 Oil Changed Client Info NA Changed N/A Sample Status Imit/base current history1 history2 Fuel WC Method >5 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG Glycol WC Method >0.2 NEG NEG NEG Water WC Method >0 <1 <1 <1 Nickel ppm ASTM D5185m<>>110 3 12 5 Itanium ppm ASTM D5185m<>>2 0 0 <1 <1 Nickel ppm ASTM D5185m<>2 0 0 0 <1 Silver ppm ASTM D5185m<>45 0 0 <1	SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 5887 6737 6608 Oil Age hrs Client Info 150 594 465 Oil Age Hrs Client Info N/A Changed N/A Sample Status Imit/base current NORMAL NORMAL NORMAL CONTAMINATION method 5 <1.0 <1.0 <1.0 Water WC Method >5 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG Otion ppm ASTM 05185m >10 3 12 5 Chromium ppm ASTM 05185m >2 0 0 <1 Nickel ppm	Sample Number		Client Info		GFL0103509	GFL0103508	GFL0094771
Oil Age hrs Client Info 150 594 465 Oil Changed Client Info N/A Changed N/A Sample Status Imethod Imethod NORMAL NORMAL NORMAL CONTAMINATION method Imethod Current history1 history2 Fuel WC Method >5 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG Water WC Method >0.2 NEG NEG NEG Wethod WC Method NEG NEG NEG NEG Water ppm ASTM D5185m >2 0 0 <1 Nickel ppm ASTM D5185m >2 0 0 0 Silver ppm ASTM D5185m >45 0 0 0 0 Cadmium ppm ASTM D5185m >45 0 0 0 1 1 1 21 <t< th=""><th>Sample Date</th><th></th><th>Client Info</th><th></th><th>05 Jan 2024</th><th>18 Dec 2023</th><th>30 Nov 2023</th></t<>	Sample Date		Client Info		05 Jan 2024	18 Dec 2023	30 Nov 2023
Oil Changed Client Info N/A Changed N/A Sample Status Imit/base current NoRMAL NORMAL CONTAMINATION method limit/base current history1 history2 Fuel WC Method >5 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG Glycol WC Method NEG NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >44 0 <1 <1 Nickel ppm ASTM D5185m >2 0 0 <1 Silver ppm ASTM D5185m >2 0 0 0 Copper ppm ASTM D5185m >45 0 0 <1 Vanadium ppm ASTM D5185m >45 0 0 <1 Copper ppm ASTM D5	Machine Age	hrs	Client Info		6887	6737	6608
Sample Status NORMAL NORMAL NORMAL NORMAL CONTAMINATION method limit/base current history1 history2 Fuel WC Method >5 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG Openant WC Method NEG NEG NEG NEG WeAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >44 0 <1 <1 Nickel ppm ASTM D5185m >4 0 <1 <1 Nickel ppm ASTM D5185m >2 0 0 <1 Namium ppm ASTM D5185m >2 0 0 <1 Vanadium ppm ASTM D5185m >4 0 0 <1 Vanadium ppm ASTM D5185m 0 0 <1 1 Vanadium pp	Oil Age	hrs	Client Info		150	594	465
CONTAMINATION method limit/base current history1 history2 Fuel WC Method >5 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG Glycol WC Method NEG NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >110 3 12 5 Chromium ppm ASTM D5185m >2 0 0 <1 Titanium ppm ASTM D5185m >2 0 0 <1 Silver ppm ASTM D5185m >2 0 0 0 Copper ppm ASTM D5185m >4 0 0 <1 Cadmium ppm ASTM D5185m 0 0 0 0 Copper ppm ASTM D5185m 0 0 0 0 Cadmium<	Oil Changed		Client Info		N/A	Changed	N/A
Fuel WC Method >5 <1.0	Sample Status				NORMAL	NORMAL	NORMAL
Water WC Method >0.2 NEG NEG NEG NEG Glycol WC Method Imit/base current history1 history2 Iron ppm ASTM D5185m >110 3 12 5 Chromium ppm ASTM D5185m >4 0 <1 <1 Nickel ppm ASTM D5185m >2 0 0 <1 Silver ppm ASTM D5185m >2 0 0 <1 Silver ppm ASTM D5185m >2 0 0 <1 Silver ppm ASTM D5185m >25 2 4 2 Lead ppm ASTM D5185m >45 0 0 <1 Vanadium ppm ASTM D5185m >45 0 0 <1 Cadmium ppm ASTM D5185m 0 14 11 21 Baron ppm ASTM D5185m 0 0 0 <t< th=""><th>CONTAMINAT</th><th>ION</th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></t<>	CONTAMINAT	ION	method	limit/base	current	history1	history2
Glycol WC Method NEG NEG NEG NEG WEAR METALS method imit/base current history1 history2 Iron ppm ASTM D5185m >4 0 <1 <1 Nickel ppm ASTM D5185m >2 0 0 <1 Nickel ppm ASTM D5185m >2 0 0 <1 Silver ppm ASTM D5185m >2 0 0 0 Auminum ppm ASTM D5185m >25 2 4 2 Lead ppm ASTM D5185m >45 0 0 <1 Vanadium ppm ASTM D5185m 0 0 <1 1 Vanadium ppm ASTM D5185m 0 0 0 <1 1 Vanadium ppm ASTM D5185m 0 14 11 21 1 Barium ppm ASTM D5185m 0 0 0	Fuel		WC Method	>5	<1.0	<1.0	<1.0
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Chromium ppm ASTM D5185m >4 0 <1	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m >2 0 0 <1	Iron	ppm	ASTM D5185m	>110	3	12	5
Titanium ppm ASTM D5185m 0 0 <1	Chromium	ppm	ASTM D5185m	>4	0	<1	<1
Silver ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >25 2 4 2 Lead ppm ASTM D5185m >45 0 0 0 Copper ppm ASTM D5185m >45 0 0 <1	Nickel	ppm	ASTM D5185m	>2	0	0	<1
Aluminum ppm ASTM D5185m >25 2 4 2 Lead ppm ASTM D5185m >45 0 0 0 Copper ppm ASTM D5185m >85 <1 1 <1 Tin ppm ASTM D5185m >4 0 0 <1 Vanadium ppm ASTM D5185m 0 0 0 <1 Cadmium ppm ASTM D5185m 0 14 11 21 Cadmium ppm ASTM D5185m 0 14 11 21 Barium ppm ASTM D5185m 0 0 0 0 Maganese ppm ASTM D5185m 0 0 0 <14 Barium ppm ASTM D5185m 0 0 0 0 <14 Barium ppm ASTM D5185m 0 0 0 <1 <14 <10 Calcium ppm ASTM D5185m 107	Titanium	ppm	ASTM D5185m		0	0	<1
Lead ppm ASTM D5185m >45 0 0 0 Copper ppm ASTM D5185m >85 <1 1 <1 Tin ppm ASTM D5185m >4 0 0 <1 Vanadium ppm ASTM D5185m 0 0 <1 <1 Cadmium ppm ASTM D5185m 0 0 0 <1 Cadmium ppm ASTM D5185m 0 14 11 21 Boron ppm ASTM D5185m 0 0 0 0 Magnese ppm ASTM D5185m 0 0 0 <11 Magnese ppm ASTM D5185m 0 0 0 <11 Magnesium ppm ASTM D5185m 1010 907 903 934 Calcium ppm ASTM D5185m 1070 1030 1066 1048 Phosphorus ppm ASTM D5185m 1270 1240 <td< th=""><th>Silver</th><th>ppm</th><th>ASTM D5185m</th><th>>2</th><th>0</th><th>0</th><th>0</th></td<>	Silver	ppm	ASTM D5185m	>2	0	0	0
Copper ppm ASTM D5185m >85 <1	Aluminum	ppm	ASTM D5185m	>25	2	4	2
Tin ppm ASTM D5185m >4 0 0 <1	Lead	ppm	ASTM D5185m	>45	0	0	0
Vanadium ppm ASTM D5185m 0 0 <1	Copper	ppm	ASTM D5185m	>85	<1	1	<1
Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 14 11 21 Barium ppm ASTM D5185m 0 0 0 0 0 Magnesium ppm ASTM D5185m 0 0 0 0 0 0 Magnesium ppm ASTM D5185m 0 0 0 0 114 11 21 Magnesium ppm ASTM D5185m 0 0 0 0 114 11 21 Calcium ppm ASTM D5185m 0 0 0 0 143 194 Zinc ppm ASTM D5185m 1070 1030 1066 1048 Phosphorus ppm ASTM D5185m 1270 1240 1191 1229 Sulfur ppm ASTM D5185m 2060	Tin	ppm	ASTM D5185m	>4	0	0	<1
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 14 11 21 Barium ppm ASTM D5185m 0 0 0 0 Malganese ppm ASTM D5185m 60 84 92 89 Manganese ppm ASTM D5185m 0 0 0 <1 Magnesium ppm ASTM D5185m 1010 907 903 934 Calcium ppm ASTM D5185m 1010 907 903 934 Calcium ppm ASTM D5185m 1070 1030 1066 1048 Phosphorus ppm ASTM D5185m 1270 1240 1191 1229 Sulfur ppm ASTM D5185m 2060 2755 2845 2857 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m <t< th=""><th>Vanadium</th><th>ppm</th><th>ASTM D5185m</th><th></th><th>0</th><th>0</th><th><1</th></t<>	Vanadium	ppm	ASTM D5185m		0	0	<1
Boron ppm ASTM D5185m 0 14 11 21 Barium ppm ASTM D5185m 0 0 0 0 0 Molybdenum ppm ASTM D5185m 60 84 92 89 Manganese ppm ASTM D5185m 0 0 0 0 <1 Magnesium ppm ASTM D5185m 1010 907 903 934 Calcium ppm ASTM D5185m 1010 907 903 934 Calcium ppm ASTM D5185m 1070 1030 1066 1048 Phosphorus ppm ASTM D5185m 150 920 871 994 Zinc ppm ASTM D5185m 1270 1240 1191 1229 Sulfur ppm ASTM D5185m 2060 2755 2845 2857 Solicon ppm ASTM D5185m >30 3 4 4 Sodium ppm ASTM D51	Cadmium	ppm	ASTM D5185m		0	0	0
Barium ppm ASTM D5185m 0 0 0 0 0 0 Molybdenum ppm ASTM D5185m 60 84 92 89 Manganese ppm ASTM D5185m 0 0 0 <1 Magnesium ppm ASTM D5185m 1010 907 903 934 Calcium ppm ASTM D5185m 1010 907 903 934 Calcium ppm ASTM D5185m 1070 1030 1066 1048 Phosphorus ppm ASTM D5185m 1070 1030 1066 1048 Sulfur ppm ASTM D5185m 1270 1240 1191 1229 Sulfur ppm ASTM D5185m 2060 2755 2845 2857 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 3 4 4 Sodium ppm	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 60 84 92 89 Manganese ppm ASTM D5185m 0 0 0 <1 Magnesium ppm ASTM D5185m 1010 907 903 934 Calcium ppm ASTM D5185m 1070 1030 1066 1048 Phosphorus ppm ASTM D5185m 1150 920 871 994 Zinc ppm ASTM D5185m 1270 1240 1191 1229 Sulfur ppm ASTM D5185m 2060 2755 2845 2857 CONTAMINANTS method limit/base current history1 history2 Solium ppm ASTM D5185m >30 3 4 4 Sodium ppm ASTM D5185m >20 11 14 10 INFRA-RED method limit/base current history1 history2 Soot % % 'ASTM D7844 <t< th=""><th>Boron</th><th>ppm</th><th></th><th>0</th><th>14</th><th>11</th><th>21</th></t<>	Boron	ppm		0	14	11	21
Manganese ppm ASTM D5185m 0 0 0 <1	Barium	ppm	ASTM D5185m	0	0	0	0
Magnesium ppm ASTM D5185m 1010 907 903 934 Calcium ppm ASTM D5185m 1070 1030 1066 1048 Phosphorus ppm ASTM D5185m 1150 920 871 994 Zinc ppm ASTM D5185m 1270 1240 1191 1229 Sulfur ppm ASTM D5185m 2060 2755 2845 2857 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 3 4 4 Sodium ppm ASTM D5185m >20 11 14 10 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 0.4 0.1 Nitration Abs/cm *ASTM D7624 >20 6.6 8.0 5.7 Sulfation Abs/.1mm *ASTM D74	Molybdenum	ppm	ASTM D5185m	60	84		89
Calcium ppm ASTM D5185m 1070 1030 1066 1048 Phosphorus ppm ASTM D5185m 1150 920 871 994 Zinc ppm ASTM D5185m 1270 1240 1191 1229 Sulfur ppm ASTM D5185m 2060 2755 2845 2857 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 3 4 4 Sodium ppm ASTM D5185m >20 11 14 10 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 0.4 0.1 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 0.4 0.1 Nitration Abs/.imm *ASTM D7415	Manganese	ppm	ASTM D5185m	0	0	0	<1
Phosphorus ppm ASTM D5185m 1150 920 871 994 Zinc ppm ASTM D5185m 1270 1240 1191 1229 Sulfur ppm ASTM D5185m 2060 2755 2845 2857 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 3 4 4 Sodium ppm ASTM D5185m >30 3 4 4 Sodium ppm ASTM D5185m >20 11 0 2 Potassium ppm ASTM D5185m >20 11 14 10 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7624 >20 6.6 8.0 5.7 Sulfation Abs/.mm *ASTM D7415 >30 19.1 20.0 17.8 FLUID DEGRADATION method limit/base	Magnesium	ppm	ASTM D5185m	1010	907	903	934
Zinc ppm ASTM D5185m 1270 1240 1191 1229 Sulfur ppm ASTM D5185m 2060 2755 2845 2857 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 3 4 4 Sodium ppm ASTM D5185m >30 3 4 4 Sodium ppm ASTM D5185m >20 11 0 2 Potassium ppm ASTM D5185m >20 111 14 10 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 0.4 0.1 Nitration Abs/cm *ASTM D7624 >20 6.6 8.0 5.7 Sulfation Abs/.1mm *ASTM D7415 >30 19.1 20.0 17.8 FLUID DEGRADATION method limit/base <th>Calcium</th> <th>ppm</th> <th>ASTM D5185m</th> <th>1070</th> <th>1030</th> <th>1066</th> <th>1048</th>	Calcium	ppm	ASTM D5185m	1070	1030	1066	1048
Sulfur ppm ASTM D5185m 2060 2755 2845 2857 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 3 4 4 Sodium ppm ASTM D5185m >30 3 4 4 Sodium ppm ASTM D5185m >20 11 0 2 Potassium ppm ASTM D5185m >20 11 14 10 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 0.4 0.1 Nitration Abs/cm *ASTM D7624 >20 6.6 8.0 5.7 Sulfation Abs/.1mm *ASTM D7415 >30 19.1 20.0 17.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414	Phosphorus	ppm	ASTM D5185m	1150	920		
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>30344SodiumppmASTM D5185m>30344PotassiumppmASTM D5185m>201102PotassiumppmASTM D5185m>20111410INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D7844>30.30.40.1NitrationAbs/cm*ASTM D7624>206.68.05.7SulfationAbs/.tmm*ASTM D7415>3019.120.017.8FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2OxidationAbs/.tmm*ASTM D7414>2514.616.213.7	Zinc	ppm	ASTM D5185m	1270	1240	1191	1229
Silicon ppm ASTM D5185m >30 3 4 4 Sodium ppm ASTM D5185m >30 3 4 4 Sodium ppm ASTM D5185m >30 3 4 4 Potassium ppm ASTM D5185m >20 11 0 2 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 0.4 0.1 Nitration Abs/cm *ASTM D7624 >20 6.6 8.0 5.7 Sulfation Abs/.1mm *ASTM D7415 >30 19.1 20.0 17.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.6 16.2 13.7	Sulfur		ASTM D5185m	2060	2755	2845	2857
Sodium ppm ASTM D5185m <1	CONTAMINAN	TS	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 11 14 10 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 0.4 0.1 Nitration Abs/cm *ASTM D7624 >20 6.6 8.0 5.7 Sulfation Abs/.1mm *ASTM D7415 >30 19.1 20.0 17.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.6 16.2 13.7	Silicon			>30			
INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 0.4 0.1 Nitration Abs/cm *ASTM D7624 >20 6.6 8.0 5.7 Sulfation Abs/.tmm *ASTM D7415 >30 19.1 20.0 17.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.tmm *ASTM D7414 >25 14.6 16.2 13.7		ppm					
Soot % % *ASTM D7844 >3 0.3 0.4 0.1 Nitration Abs/cm *ASTM D7624 >20 6.6 8.0 5.7 Sulfation Abs/.1mm *ASTM D7415 >30 19.1 20.0 17.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.6 16.2 13.7		ppm	ASTM D5185m	>20	11	14	10
Nitration Abs/cm *ASTM D7624 >20 6.6 8.0 5.7 Sulfation Abs/.1mm *ASTM D7415 >30 19.1 20.0 17.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.6 16.2 13.7	INFRA-RED		method	limit/base	current	history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 19.1 20.0 17.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.6 16.2 13.7	Soot %			>3			
FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.6 16.2 13.7	Nitration	Abs/cm		>20	6.6		5.7
Oxidation Abs/.1mm *ASTM D7414 >25 14.6 16.2 13.7	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.1	20.0	17.8
	FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Pase Number (PN) mg KOU/g ASTM D2806 Q.8 7.0 7.1 8.6	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.6	16.2	13.7
	Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.9	7.1	8.6



13 Ab 12 11 Dec9/22

May12/23

OIL ANALYSIS REPORT

scalar

*Visual

scalar *Visual

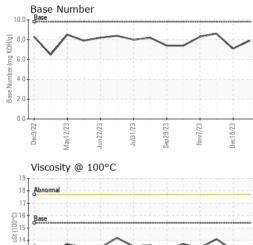
NONE

NONE

VISUAL

White Metal

Yellow Metal



Jun22/23

Certificate L2	367 7	Fest Package		•					t: Jonathan //illiams@gfl	Williams	
		Sample No. Lab Number	: GFL0103509 : <mark>06057761</mark>	Recieved Diagnos	501 Madison Ave., Cary, NC 27513 Recieved : 11 Jan 2024 Diagnosed : 12 Jan 2024 Diagnostician : Wes Davis			GFL environmental - 867 - Trafford (Blount Hauling 1130 County Line Ro Trafford, AL US 35172			
			Dec9/22	Jul31/23	Nov7/23	.0 Dec18/23	Dec9/22	Jun22/23	Sep29/23	Dec18/23	
			13 Abnormal			Ζ.					
			G16 Base 15 3 14	\sim	~^	(b/H0) Base Number (mg K0H(d)					
			17- 16- Base			8. 8. 9.0H/8)			\checkmark	\checkmark	
			19 18 - Abnormal			10.	Base				
			≥ ¬ Viscosity @ 100°	÷.	5 -	ā	Base Numbe	vr			
			Dec9/22 May12/23	Jul31/23	Nov7/23	Dec18/23					
				A	\sim	\sim					
			4								
			6								
			8-								
			Non-ferrous Met	als							
			Dec9/22 May12/23 Jun22/23	Jul31/23	Nov7/23	Dec18/23					
				<u> </u>		itterer and it is a second sec					
				V	V						
				1/		\wedge					
Jul31/23 -	Sep 29/23	Nov7/23 -	16 - iron 14 - nickel								
	Ť		Ferrous Alloys			-1					
\sim		\sim	Visc @ 100°C GRAPHS	cSt	ASTM D445	15.4	13.4	13.2	14.	1	
			FLUID PROP		method	limit/base	current	history		story2	
°C			Free Water	scalar	*Visual		NEG	NEG	NE		
	ŝ		Odor Emulsified Water	scalar scalar	*Visual *Visual	NORML >0.2	NORML NEG	NORML	. NO	RML G	
Jul31/23	Sep 29/23	Nov7/23 Dec18/23	Appearance	scalar	*Visual	NORML	NORML	NORML		RML	
~	~		Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NO		
			Debris	scalar	*Visual	NONE	NONE	NONE	NO	NE	
			Silt	scalar	*Visual	NONE	NONE	NONE	NO	NE	
			Precipitate	scalar	*Visual	NONE	NONE	NONE	NO		

Submitted By: see also GFL868 - Chelsea Bryan

history2

NONE

NONE

NONE

NONE

NONE

NONE