

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **738201** Component **Diesel Engine** Fluid **PETRO CANADA DURON SHP 10W30 (--- 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.

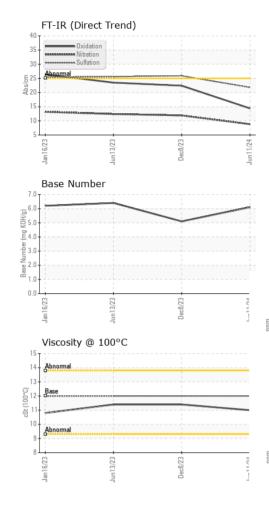
Fluid Condition

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

Sample Number Client Info PCA0125188 PCA0112272 PCA0095740 Sample Date Client Info 11 Jun 2024 08 Dec 2023 13 Jun 2023 Machine Age mis Client Info 307437 216156 63197 Oil Age mis Client Info Markine Age Changed Changed Changed Changed Oil Changed Client Info MRMAL NORMAL NORMAL NORMAL CONTAMINATION method imit/base curront history1 history2 Fuel WC Method >0.2 NEG NEG NEG Glycol WC Method >0 A1 2 3 Machine ppm ASTM D5185m >100 23 59 62 Chromium ppm ASTM D5185m 20 7 17 32 Iron ppm ASTM D5185m 30 0 0 1 Korkel ppm ASTM D5185m >30 0 1 1	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age mis Client Info 307437 216156 63197 Oil Ghanged Client Info 91281 41216 63197 Oil Changed Client Info ORAnged Changed Changed Changed Changed Sample Status Imit/base current NORMAL NORMAL NORMAL Version WC Method >5 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG Glycol WC Method >0 23 59 62 Chromium ppm ASTM 05185m >100 23 3 7 Silver ppm ASTM 05185m >20 1 2 3 Nickel ppm ASTM 05185m >30 0 0 <1 Auminum ppm ASTM 05185m >40 0 0 0 Gloper ppm ASTM 05185m >10 3 4 10 Nino <th>Sample Number</th> <th></th> <th>Client Info</th> <th></th> <th>PCA0125188</th> <th>PCA0112272</th> <th>PCA0095740</th>	Sample Number		Client Info		PCA0125188	PCA0112272	PCA0095740
Oil Age mis Client Info 91281 41216 63197 Oil Changed Client Info Changed C	Sample Date		Client Info		11 Jun 2024	08 Dec 2023	13 Jun 2023
Oil Changed Sample StatusClient InfoChanged NORMALChanged NORMALChanged NORMALCONTAMINATIONmethodlimit/basecurrenthistory1history2FuelWC Method>0.2NEGNEGNEGGlycolWC Method>0.2NEGNEGNEGWEAR METALSmethodlimit/basecurrenthistory1history2IronppmASTM 05185m>100235962ChromiumppmASTM 05185m>20123NickelppmASTM 05185m>4<11<1ItaniumppmASTM 05185m>300<1AluminumppmASTM 05185m>30103744TinppmASTM 05185m>30103744TinppmASTM 05185m>15<123VanadiumppmASTM 05185m>15<123VanadiumppmASTM 05185m201200ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM 05185m203410BariumppmASTM 05185m0<112MaganesiumppmASTM 05185m104955936CalciumppmASTM 05185m1050218912731435PhosphorusppmASTM 05185m1650218	Machine Age	mls	Client Info		307437	216156	63197
Sample Status NORMAL 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 Glycol WC Method >0.2 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 23 59 62 Chromium ppm ASTM D5185m >4 <1 1 <1 Titanium ppm ASTM D5185m >3 0 0 <1 Aluminum ppm ASTM D5185m >30 0 0 <1 Aluminum ppm ASTM D5185m >30 10 37 44 Tin ppm ASTM D5185m >15 <1 2 0	Oil Age	mls	Client Info		91281	41216	63197
CONTAMINATION method limit/base current history1 history2 Fuel W0 Method >5 <1.0 <1.0 <1.0 <1.0 Water W0 Method >0.2 NEG NEG NEG Glycol W0 Method NEG NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM 05185m >20 1 2 3 Nickel ppm ASTM 05185m >20 1 2 3 Nickel ppm ASTM 05185m >3 0 0 <1 Aluminum ppm ASTM 05185m >30 0 0 0 Cadmium ppm ASTM 05185m >30 10 37 444 Tin ppm ASTM 05185m <1 2 3 Vanadium ppm ASTM 05185m 0 <1 0 Adunium <	Oil Changed		Client Info		Changed	Changed	Changed
Fuel WC Method >5 <1.0	Sample Status				NORMAL	NORMAL	NORMAL
Water WC Method >0.2 NEG NEG NEG NEG Glycol WC Method NEG NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 23 59 62 Chromium ppm ASTM D5185m >4 <1 1 2 3 Nickel ppm ASTM D5185m >3 0 0 <1 Itanium ppm ASTM D5185m >20 7 17 32 Lead ppm ASTM D5185m >20 7 17 32 Copper ppm ASTM D5185m >40 0 0 0 Copper ppm ASTM D5185m >15 <1 2 3 44 0 Copper ppm ASTM D5185m 0 0 1 0 0 Astin D5185m 15 <1	CONTAMINATI	ON	method	limit/base	current	history1	history2
Water WC Method >0.2 NEG NEG NEG NEG Glycol WC Method NEG NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 23 59 62 Chromium ppm ASTM D5185m >4 <1 1 <1 Nickel ppm ASTM D5185m >3 0 <1 3 Silver ppm ASTM D5185m >20 7 17 32 Lead ppm ASTM D5185m >30 0 0 0 Copper ppm ASTM D5185m >40 0 0 0 Copper ppm ASTM D5185m >40 0 0 0 Auminum ppm ASTM D5185m >15 <1 2 0 Aumadium ppm ASTM D5185m 0 0 1 0	Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol WC Method NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 23 59 62 Chromium ppm ASTM D5185m >20 1 2 3 Nickel ppm ASTM D5185m >4 <1 1 <1 Titanium ppm ASTM D5185m >3 0 0 <1 Aluminum ppm ASTM D5185m >20 7 17 32 Lead ppm ASTM D5185m >30 10 37 44 Tin ppm ASTM D5185m >15 <1 2 0 Vanadium ppm ASTM D5185m 0 0 12 0 ADDTIVES method limit/base current history1 history2 Baron ppm ASTM D5185m 50 19 61 52 M	Water		WC Method	>0.2	NEG	NEG	NEG
Iron ppm ASTM D5185m >100 23 59 62 Chromium ppm ASTM D5185m >20 1 2 3 Nickel ppm ASTM D5185m >4 <1 1 <1 Titanium ppm ASTM D5185m >3 0 0 <1 Aluminum ppm ASTM D5185m >3 0 0 <1 Aluminum ppm ASTM D5185m >3 0 0 0 Lead ppm ASTM D5185m >3 0 0 0 Copper ppm ASTM D5185m >40 0 0 0 Cadmium ppm ASTM D5185m >15 <1 2 3 Vanadium ppm ASTM D5185m 0 <1 0 0 Cadmium ppm ASTM D5185m 0 12 0 0 Boron ppm ASTM D5185m 0 1 2 0<	Glycol		WC Method		NEG	NEG	NEG
Chromium ppm ASTM D5185m >20 1 2 3 Nickel ppm ASTM D5185m >4 <1 1 <1 Titanium ppm ASTM D5185m >3 0 0 <1 Silver ppm ASTM D5185m >3 0 0 <1 Aluminum ppm ASTM D5185m >3 0 0 <1 Lead ppm ASTM D5185m >3 0 0 0 Copper ppm ASTM D5185m >40 0 0 0 Cadmium ppm ASTM D5185m >15 <1 2 3 Vanadium ppm ASTM D5185m 0 <1 0 0 Cadmium ppm ASTM D5185m 2 3 4 10 Boron ppm ASTM D5185m 2 3 4 10 Barium ppm ASTM D5185m 50 19 61 52<	WEAR METALS	S	method	limit/base	current	history1	history2
Chromium ppm ASTM D5185m >20 1 2 3 Nickel ppm ASTM D5185m >4 <1 1 <1 Titanium ppm ASTM D5185m >3 0 0 <1 Silver ppm ASTM D5185m >30 0 0 <1 Aluminum ppm ASTM D5185m >20 7 17 32 Lead ppm ASTM D5185m >40 0 0 0 Copper ppm ASTM D5185m >330 10 37 44 Tin ppm ASTM D5185m >15 <1 2 3 Vanadium ppm ASTM D5185m 0 <1 0 0 Cadmium ppm ASTM D5185m 2 3 4 10 Boron ppm ASTM D5185m 0 12 0 0 Molybdenum ppm ASTM D5185m 50 19 61	Iron	ppm	ASTM D5185m	>100	23	59	62
Nickel ppm ASTM D5185m >4 <1	Chromium		ASTM D5185m	>20	1	2	3
Titanium ppm ASTM D5185m >3 0 0 <1	Nickel			>4	<1	1	<1
Silver ppm ASTM D5185m >3 0 0 <1						3	
Aluminum ppm ASTM D5185m >20 7 17 32 Lead ppm ASTM D5185m >40 0 0 0 Copper ppm ASTM D5185m >330 10 37 444 Tin ppm ASTM D5185m >15 <1 2 3 Vanadium ppm ASTM D5185m >15 <1 0 0 Cadmium ppm ASTM D5185m <1 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 12 0 Molybdenum ppm ASTM D5185m 0 19 61 52 Magnesium ppm ASTM D5185m 0 291 899 830 Calcium ppm ASTM D5185m 100 2189 1273 1445 Phosphorus ppm ASTM D5185m 2600 3688	Silver		ASTM D5185m	>3			<1
Copper ppm ASTM D5185m >330 10 377 44 Tin ppm ASTM D5185m >15 <1 2 3 Vanadium ppm ASTM D5185m >15 <1 2 3 Vanadium ppm ASTM D5185m 0 <1 0 0 Cadmium ppm ASTM D5185m 2 3 4 10 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 12 0 Molybdenum ppm ASTM D5185m 0 141 1 2 Magnesium ppm ASTM D5185m 950 291 899 830 Calcium ppm ASTM D5185m 950 2189 1273 1435 Phosphorus ppm ASTM D5185m 950 2189 1271 1257 1241 Sulfur ppm ASTM D5185m 2	Aluminum	ppm	ASTM D5185m	>20	7	17	32
Tin ppm ASTM D5185m >15 <1	Lead	ppm	ASTM D5185m	>40	0	0	0
Tin ppm ASTM D5185m >15 <1	Copper	ppm	ASTM D5185m	>330	10	37	44
Cadmium ppm ASTM D5185m 0 <1		ppm	ASTM D5185m	>15	<1	2	3
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 2 3 4 10 Barium ppm ASTM D5185m 0 0 12 0 Molybdenum ppm ASTM D5185m 50 19 61 52 Manganese ppm ASTM D5185m 0 <1 1 2 Magnesium ppm ASTM D5185m 950 291 899 830 Calcium ppm ASTM D5185m 950 291 899 830 Calcium ppm ASTM D5185m 950 291 899 830 Calcium ppm ASTM D5185m 950 2189 1273 1435 Phosphorus ppm ASTM D5185m 960 3688 2334 2721 Sulfur ppm ASTM D5185m >25 8 8 7 Sodium ppm ASTM D5185m >20	Vanadium	ppm	ASTM D5185m		<1	0	0
Boron ppm ASTM D5185m 2 3 4 10 Barium ppm ASTM D5185m 0 0 12 0 Molybdenum ppm ASTM D5185m 50 19 61 52 Manganese ppm ASTM D5185m 0 <1 1 2 Magnesium ppm ASTM D5185m 950 291 899 830 Calcium ppm ASTM D5185m 950 2189 1273 1435 Phosphorus ppm ASTM D5185m 995 1044 965 936 Zinc ppm ASTM D5185m 995 1044 965 936 Zinc ppm ASTM D5185m 180 1271 1257 1241 Sulfur ppm ASTM D5185m 2600 3688 2334 2721 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20	Cadmium	ppm	ASTM D5185m		0	<1	0
Barium ppm ASTM D5185m 0 0 12 0 Molybdenum ppm ASTM D5185m 50 19 61 52 Manganese ppm ASTM D5185m 0 <1 1 2 Magnesium ppm ASTM D5185m 950 291 899 830 Calcium ppm ASTM D5185m 950 2189 1273 1435 Phosphorus ppm ASTM D5185m 1050 2189 1273 1435 Sulfur ppm ASTM D5185m 1050 2189 1273 14435 Sulfur ppm ASTM D5185m 995 1044 965 936 Zinc ppm ASTM D5185m 2600 3688 2334 2721 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 9 39 66 INFRA-RED method limit/base	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 50 19 61 52 Manganese ppm ASTM D5185m 0 <1 1 2 Magnesium ppm ASTM D5185m 950 291 899 830 Calcium ppm ASTM D5185m 1050 2189 1273 1435 Phosphorus ppm ASTM D5185m 1050 2189 1273 1435 Silicon ppm ASTM D5185m 1180 1271 1257 1241 Sulfur ppm ASTM D5185m 2600 3688 2334 2721 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 9 39 66 INFRA-RED ppm ASTM D5185m >20 9 39 66 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D78443	Boron	ppm	ASTM D5185m	2	3	4	10
Maganese ppm ASTM D5185m 0 <1	Barium	ppm	ASTM D5185m	0	0	12	0
Magnesium ppm ASTM D5185m 950 291 899 830 Calcium ppm ASTM D5185m 1050 2189 1273 1435 Phosphorus ppm ASTM D5185m 995 1044 965 936 Zinc ppm ASTM D5185m 995 1044 965 936 Zinc ppm ASTM D5185m 180 1271 1257 1241 Sulfur ppm ASTM D5185m 2600 3688 2334 2721 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 8 8 7 Sodium ppm ASTM D5185m >20 9 39 66 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1 2.1 1.7 Nitration Abs/.m *ASTM D7624	Molybdenum	ppm	ASTM D5185m	50	19	61	52
Calcium ppm ASTM D5185m 1050 2189 1273 1435 Phosphorus ppm ASTM D5185m 995 1044 965 936 Zinc ppm ASTM D5185m 1180 1271 1257 1241 Sulfur ppm ASTM D5185m 2600 3688 2334 2721 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 8 8 7 Sodium ppm ASTM D5185m >20 9 39 66 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1 2.1 1.7 Nitration Abs/.mm *ASTM D7624 >20 8.8 11.9 12.4 Sulfation Abs/.hm *ASTM D7415 >30 21.8 25.9 25.6 FLUID DEGRADATION method <	Manganese	ppm	ASTM D5185m	0	<1	1	2
Phosphorus ppm ASTM D5185m 995 1044 965 936 Zinc ppm ASTM D5185m 1180 1271 1257 1241 Sulfur ppm ASTM D5185m 2600 3688 2334 2721 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 8 8 7 Sodium ppm ASTM D5185m >25 8 8 7 Sodium ppm ASTM D5185m >20 9 39 66 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1 2.1 1.7 Nitration Abs/cm *ASTM D7624 >20 8.8 11.9 12.4 Sulfation Abs/.tm *ASTM D7415 >30 21.8 25.9 25.6 FLUID DEGRADATION method limit/bas	Magnesium	ppm	ASTM D5185m	950	291	899	830
Zinc ppm ASTM D5185m 1180 1271 1257 1241 Sulfur ppm ASTM D5185m 2600 3688 2334 2721 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 8 8 7 Sodium ppm ASTM D5185m >25 8 8 7 Sodium ppm ASTM D5185m >20 9 39 66 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1 2.1 1.7 Nitration Abs/cm *ASTM D7624 >20 8.8 11.9 12.4 Sulfation Abs/.tmm *ASTM D7415 >30 21.8 25.9 25.6 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.tmm *ASTM D7414 </th <th>Calcium</th> <th>ppm</th> <th>ASTM D5185m</th> <th>1050</th> <th>2189</th> <th>1273</th> <th>1435</th>	Calcium	ppm	ASTM D5185m	1050	2189	1273	1435
SulfurppmASTM D5185m2600368823342721CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25887SodiumppmASTM D5185m>2093966INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D7844>312.11.7NitrationAbs/cm*ASTM D7624>208.811.912.4SulfationAbs/.1mm*ASTM D7415>3021.825.925.6FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2OxidationAbs/.1mm*ASTM D7414>2514.422.423.5	Phosphorus	ppm	ASTM D5185m	995	1044	965	936
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m<>25887SodiumppmASTM D5185m<>2093966INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D7844<>312.11.7NitrationAbs/cm*ASTM D7624<>208.811.912.4SulfationAbs/.imm*ASTM D7415<>3021.825.925.6FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2OxidationAbs/.imm*ASTM D7414<>2514.422.423.5	Zinc	ppm	ASTM D5185m	1180	1271	1257	1241
Silicon ppm ASTM D5185m >25 8 8 7 Sodium ppm ASTM D5185m >20 4 0 4 Potassium ppm ASTM D5185m >20 9 39 66 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1 2.1 1.7 Nitration Abs/cm *ASTM D7624 >20 8.8 11.9 12.4 Sulfation Abs/.im *ASTM D7415 >30 21.8 25.9 25.6 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.im *ASTM D7414 >25 14.4 22.4 23.5	Sulfur	ppm	ASTM D5185m	2600	3688	2334	2721
Sodium ppm ASTM D5185m 4 0 4 Potassium ppm ASTM D5185m >20 9 39 66 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1 2.1 1.7 Nitration Abs/cm *ASTM D7624 >20 8.8 11.9 12.4 Sulfation Abs/.1mm *ASTM D7415 >30 21.8 25.9 25.6 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.4 22.4 23.5	CONTAMINAN	TS	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 9 39 66 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1 2.1 1.7 Nitration Abs/cm *ASTM D7624 >20 8.8 11.9 12.4 Sulfation Abs/.1mm *ASTM D7415 >30 21.8 25.9 25.6 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.4 22.4 23.5	Silicon	ppm	ASTM D5185m	>25	8	8	7
INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1 2.1 1.7 Nitration Abs/cm *ASTM D7624 >20 8.8 11.9 12.4 Sulfation Abs/.1mm *ASTM D7415 >30 21.8 25.9 25.6 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.4 22.4 23.5	Sodium	ppm	ASTM D5185m		4	0	4
Soot % % *ASTM D7844 >3 1 2.1 1.7 Nitration Abs/cm *ASTM D7624 >20 8.8 11.9 12.4 Sulfation Abs/.1mm *ASTM D7415 >30 21.8 25.9 25.6 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.4 22.4 23.5	Potassium	ppm	ASTM D5185m	>20	9	39	66
Nitration Abs/cm *ASTM D7624 >20 8.8 11.9 12.4 Sulfation Abs/.1mm *ASTM D7415 >30 21.8 25.9 25.6 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.4 22.4 23.5	INFRA-RED		method	limit/base	current	history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 21.8 25.9 25.6 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.4 22.4 23.5	Soot %	%	*ASTM D7844	>3	1	2.1	1.7
FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.4 22.4 23.5	Nitration	Abs/cm	*ASTM D7624	>20	8.8	11.9	12.4
Oxidation Abs/.1mm *ASTM D7414 >25 14.4 22.4 23.5	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.8	25.9	25.6
	FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Base Number (BN) mg KOH/g ASTM D2896 6.1 5.1 6.4	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.4	22.4	23.5
	Base Number (BN)	mg KOH/g	ASTM D2896		6.1	5.1	6.4



OIL ANALYSIS REPORT



VISUAL						
		method	limit/base	current	history1	history2
White Metal	scala	r *Visual	NONE	NONE	NONE	NONE
Yellow Metal	scala	r *Visual	NONE	NONE	NONE	NONE
Precipitate	scala	r *Visual	NONE	NONE	NONE	NONE
Silt	scala	r *Visual	NONE	NONE	NONE	NONE
Debris	scala	r *Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scala	r *Visual	NONE	NONE	NONE	NONE
Appearance	scala	r *Visual	NORML	NORML	NORML	NORML
Odor	scala	r *Visual	NORML	NORML	NORML	NORML
Emulsified Wa	ater scala	r *Visual	>0.2	NEG	NEG	NEG
Free Water	scala	r *Visual		NEG	NEG	NEG
FLUID PF	ROPERTIES	S method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	11.0	11.4	11.4
GRAPHS						
Iron (ppm)			100	Lead (ppm)		
200 Severe		1	80	Severe		
150			0			
			E 40	Abaranal		
50-				,		
0						
Jan 16/23	Jun 13/23	Dec8/23	Jun 11/24	lan 16/23	Jun13/23	and the
Jan	Jun	De	Jun	Jan	un f	5
Aluminum ((ppm)		50	Chromium (p	pm)	
80			40	Severe		
c0						
40 Severe	<u></u>		³⁰	Abnormal		-
20 - Abnormal			10			
0						
Jan 16/23	Jun 13/23	Dec8/23	Jun11/24	an 16/23	Jun 13/23	2016-2
Jan	Jun	De	Jun	Jan	un d	2
Copper (pp	m)			Silicon (ppm)		
400 Severe			80			1
300			60			
톱 200 -			튭 40	Abnormal		
100				Abnormal		
0			0) 🖵 🛉 🦲 🖂		
	13/23 -	c8/23 -			13/23 +	- c 2 /m
Jan16/23	Jun13/23 -	Dec8/23 -	Jun11/24	Jan 16/23	Jun 13/23 +	1 CC1/1 CC1
Viscosity @		Dec8/23 -	Jun11/24	Base Number		67/man
Viscosity @		Dec8/23 -	Jun11/24	Base Numbe		- CJ (L)
Viscosity @		Dec8/23	Jun11/24	Base Numbe		C 7 / (nppn
Viscosity @		Dec8/23	Jun11/24	Base Numbe		c / noan
Viscosity @		Dec8/23	Jun11/24	Base Numbe		C 7 Kran
Viscosity @ Abnormal Base Base		Dec3/23	.8.0 (0)H0 (0) 8888 Mumber (mg K0) 9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Base Number		C7 Kran
Viscosity @ Viscosity @ 14 Abnomal 10 Abnomal 10 Abnomal		Dec8/23 Dec8/23	Jun11/24	Base Number		

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

* - 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)

Certificate L2367

Contact/Location: ROSTY VITER - MILPHINE

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