

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

929022-1276

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Sampled oil)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

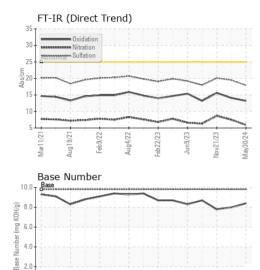
Fluid Condition

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

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0120934	GFL0103046	GFL0090485
Sample Date		Client Info		30 May 2024	11 Jan 2024	21 Nov 2023
Machine Age	hrs	Client Info		11029	11029	11029
Oil Age	hrs	Client Info		500	600	200
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	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
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	5	15	38
Chromium	ppm	ASTM D5185m	>20	0	<1	2
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	<1	3
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	0	<1	0
Tin	ppm	ASTM D5185m	>15	0	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	4	4
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	57	63	55
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	1010	904	934	851
Calcium	ppm	ASTM D5185m	1070	1057	1109	1013
Phosphorus	ppm	ASTM D5185m	1150	1027	997	1021
Zinc	ppm	ASTM D5185m	1270		1000	1173
			1210	1197	1226	11/3
Sulfur	ppm	ASTM D5185m	2060	1197 3475	2870	2794
Sulfur CONTAMINAN		ASTM D5185m method				
		method	2060	3475	2870	2794
CONTAMINAN	TS	method	2060 limit/base	3475 current	2870 history1	2794 history2
CONTAMINAN Silicon	TS ppm	method ASTM D5185m	2060 limit/base >25	3475 current 0	2870 history1 3	2794 history2 4
CONTAMINAN Silicon Sodium Potassium INFRA-RED	TS ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m method	2060 limit/base >25 >20 limit/base	3475 current 0 6 <1 current	2870 history1 3 4 1 history1	2794 history2 4 5 4 history2
CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot %	TS ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m method	2060 imit/base >25 >20 imit/base >3	3475 current 0 6 <1 current 0.3	2870 history1 3 4 1 history1 0.7	2794 history2 4 5 4 history2 0.8
CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration	TS ppm ppm ppm % Abs/cm	methodASTM D5185mASTM D5185mASTM D5185m• Method*ASTM D7844*ASTM D7624	2060 limit/base >25 >20 limit/base >3 >20	3475 current 0 6 <1 current 0.3 5.9	2870 history1 3 4 1 history1 0.7 7.5	2794 history2 4 5 4 history2 0.8 8.7
CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot %	TS ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m method	2060 imit/base >25 >20 imit/base >3	3475 current 0 6 <1 current 0.3	2870 history1 3 4 1 history1 0.7	2794 history2 4 5 4 history2 0.8
CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration	TS ppm ppm ppm % Abs/cm Abs/.1mm	methodASTM D5185mASTM D5185mASTM D5185m• Method*ASTM D7844*ASTM D7624	2060 limit/base >25 >20 limit/base >3 >20	3475 current 0 6 <1 current 0.3 5.9	2870 history1 3 4 1 history1 0.7 7.5	2794 history2 4 5 4 history2 0.8 8.7
CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	TS ppm ppm ppm % Abs/cm Abs/.1mm	method ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D7844 *ASTM D7624 *ASTM D7415	2060 limit/base >25 >20 limit/base >3 >20 >30	3475 current 0 6 <1 current 0.3 5.9 17.9	2870 history1 3 4 1 history1 0.7 7.5 19.5	2794 history2 4 5 4 history2 0.8 8.7 20.1



OIL ANALYSIS REPORT



Aug4/77

c//644

ua19/2

Viscosity @ 100°C

Mar1

19

18 - Abnorma

13

12

Mar11/21

Abnormal

Aug19/21.

C C/ D 40

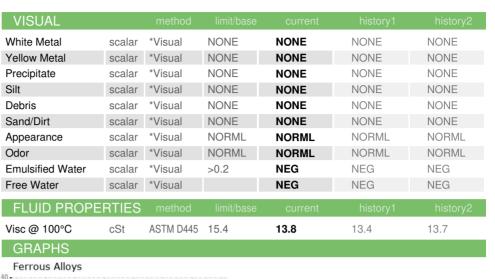
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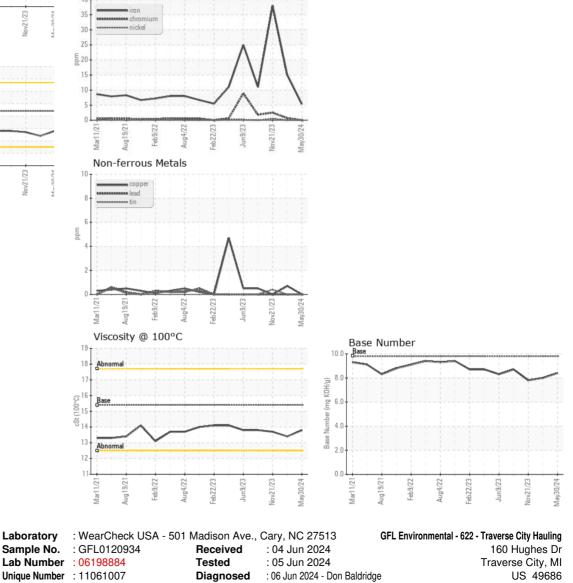
eb22/23

eb22/23

5C/6ui

50/Pan







Certificate L2367 Test Package : FLEET 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)

Submitted By: TECHNICIAN ACCOUNT Page 2 of 2

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