WEAR CONTAMINATION FLUID CONDITION

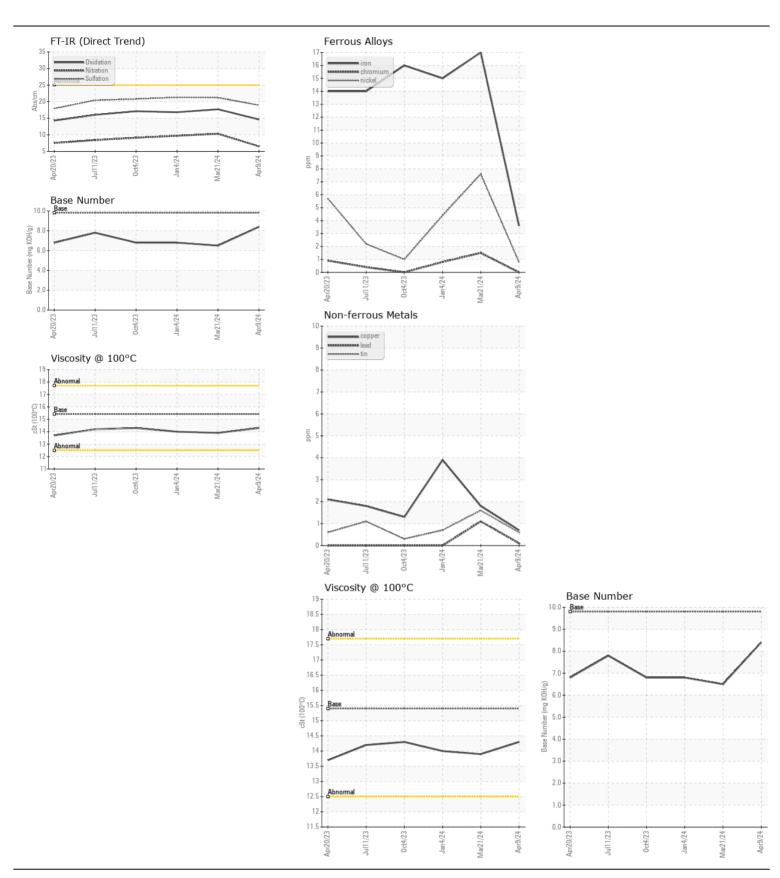
NORMAL NORMAL



Machine Id 912096 Component Diesel Engine

PETRO CANADA DURON SHP 15W40 (40 QTS)

PETRO CANADA DURON SHP 15W40 (40 QTS)		
RECOMMENDATION Test UOM Method Limit/Abn Current	History1	History2
Sample Number Client Info GFL0110	,	GFL0092873
Resample at the next service interval to monitor. Sample Date Client Info O9 Apr 2		04 Jan 2024
Machine Age hrs Client Info 4143	4019	3436
Oil Age hrs Client Info 124	583	519
Filter Age hrs Client Info 124	583	519
Oil Changed Client Info Change	d Changed	Changed
Filter Changed Client Info Change	d Changed	Changed
Sample Status NORMA		
WEAR Iron ppm ASTM D5185m >120 4	17	15
Chromium ppm ASTM D5185m >20 0	2	<1
All component wear rates are normal. Nickel ppm ASTM D5185m >5 <1	<u> </u>	4
Titanium ppm ASTM D5185m >2 0	<1	0
Silver ppm ASTM D5185m >2 0	0	0
Aluminum ppm ASTM D5185m >20 1	2	2
Lead ppm ASTM D5185m >40 <1	1	0
Copper ppm ASTM D5185m >330 <1	2	4
Tin ppm ASTM D5185m >15 <1	2	<1
Vanadium ppm ASTM D5185m 0	<1	<1
White Metal scalar *Visual NONE NONE		NONE
Yellow Metal scalar *Visual NONE NON		NONE
	- NONE	INDINE
CONTAMINATION Silicon ppm ASTM D5185m >25 3	5	4
There is no indication of any contemination in the cil. Potassium ppm ASTM D5185m >20 3	3	1
There is no indication of any contamination in the oil. Fuel WC Method >3.0 <1.0	<1.0	<1.0
Water WC Method >0.2 NEG	NEG	NEG
Glycol WC Method NEG	NEG	NEG
Soot % % *ASTM D7844 >4 0.3	0.8	0.7
Nitration Abs/cm *ASTM D7624 >20 6.5	10.3	9.7
Sulfation Abs/.1mm *ASTM D7415 >30 18.9	21.2	21.3
Silt scalar *Visual NONE NONE		NONE
Debris scalar *Visual NONE NONE	NONE	NONE
Sand/Dirt scalar *Visual NONE NON		NONE
Appearance scalar *Visual NORML NORML NORML		NORML
Odor scalar *Visual NORML NOR		NORML
Emulsified Water scalar *Visual >0.2 NEG	NEG	NEG
FLUID CONDITION Sodium ppm ASTM D5185m 4	2	4
Boron ppm ASTM D5185m 0 12	16	9
The BN result indicates that there is suitable alkalinity remaining in the Barium ppm ASTM D5185m 0	<1	0
oil. The condition of the oil is suitable for further service. Molybdenum ppm ASTM D5185m 60 58	59	61
Manganese ppm ASTM D5185m 0 <1	1	<1
Magnesium ppm ASTM D5185m 1010 949	916	961
Calcium ppm ASTM D5185m 1070 1060	1138	1137
Phosphorus ppm ASTM D5185m 1150 1076	950	1024
Zinc ppm ASTM D5185m 1270 1224	1246	1274
Sulfur ppm ASTM D5185m 2060 3611	2856	2880
Oxidation Abs/.1mm *ASTM D7414 >25 14.6	17.7	16.8
Base Number (BN) mg KOH/g ASTM D2896 9.8 8.4	6.5	6.8







Certificate L2367

Laboratory Sample No.

: GFL0110791 Lab Number : 06153714 Unique Number : 10983792 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Apr 2024

Tested : 19 Apr 2024 Diagnosed : 19 Apr 2024 - Wes Davis

GFL Environmental - 411 - Kingsford HC

1001 E Blvd Kingsford, MI US 49802

Contact: Service Manager

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)

T:

F: