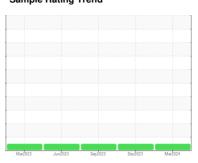


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **425092-420**

Diesel Engine

PETRO CANADA DURON SHP 15W40 (10 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.

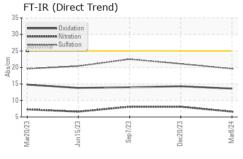
Fluid Condition

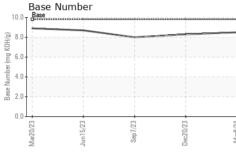
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

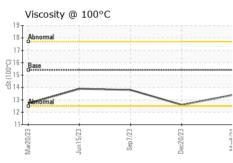
GAL)		Marzuz3	Junzuz3	Sep2023 Dec2023	Marzu24				
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		GFL0108567	GFL0103379	GFL0066041			
Sample Date		Client Info		08 Mar 2024	20 Dec 2023	07 Sep 2023			
Machine Age	hrs	Client Info		3080	0	0			
Oil Age	hrs	Client Info		600	0	0			
Oil Changed		Client Info		Changed	N/A	N/A			
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	>80	22	20	27			
Chromium	ppm	ASTM D5185m	>5	1	1	2			
Nickel	ppm	ASTM D5185m	>2	<1	0	0			
Titanium	ppm	ASTM D5185m		<1	0	0			
Silver	ppm	ASTM D5185m	>3	<1	0	0			
Aluminum	ppm	ASTM D5185m	>30	2	2	3			
Lead	ppm	ASTM D5185m	>30	2	0	3			
Copper	ppm	ASTM D5185m	>150	<1	0	<1			
Tin	ppm	ASTM D5185m	>5	<1	0	<1			
Vanadium	ppm	ASTM D5185m		<1	0	0			
Cadmium	ppm	ASTM D5185m		<1	0	0			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m	0	8	2	19			
Barium	ppm	ASTM D5185m	0	0	4	0			
Molybdenum	ppm	ASTM D5185m	60	58	60	66			
Manganese	ppm	ASTM D5185m	0	0	0	<1			
Magnesium	ppm	ASTM D5185m	1010	936	904	844			
Calcium	ppm	ASTM D5185m	1070	1074	1070	1124			
Phosphorus	ppm	ASTM D5185m	1150	1047	933	955			
Zinc	ppm	ASTM D5185m	1270	1219	1179	1145			
Sulfur	ppm	ASTM D5185m	2060	3291	2826	3141			
CONTAMINAN	TS	method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>20	5	0	5			
Sodium	ppm	ASTM D5185m		1	0	<1			
Potassium	ppm	ASTM D5185m	>20	2	0	2			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>3	1.2	2	2.5			
Nitration	Abs/cm	*ASTM D7624	>20	6.6	8.1	8.1			
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.6	21.1	22.5			
FLUID DEGRADATION method limit/base current history1 history2									
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.6	14.3	14.0			
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.5	8.3	8.0			

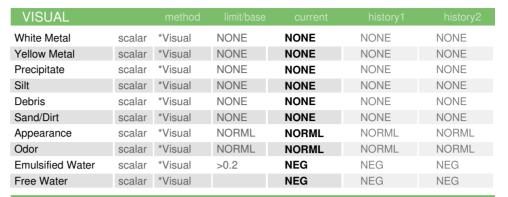


OIL ANALYSIS REPORT



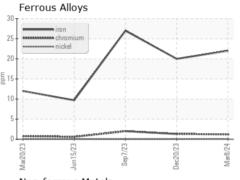


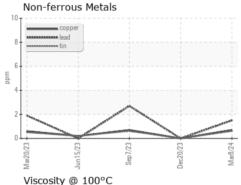


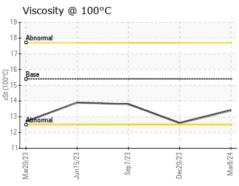


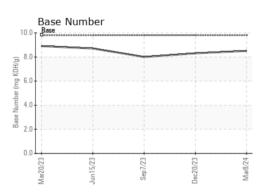
FLUID PROPI	ERHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.4	12.6	13.8

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0108567 Lab Number : 06153973 Unique Number : 10989396 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 19 Apr 2024 : 22 Apr 2024 Diagnosed : 22 Apr 2024 - Wes Davis

GFL Environmental - 904 - Chippewa Falls HC 11888 & 11863 30th Avenue

Chippewa Falls, WI US 54729

Contact: Andy Kane

T: (715)202-3420

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: See also GFL904,A,B,C, 927, 938 - Andy Kane

Report Id: GFL904 [WUSCAR] 06153973 (Generated: 04/22/2024 12:19:27) Rev: 1