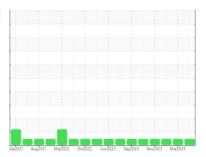


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 429024-1282

Diesel Engine

PETRO CANADA DURON SHP 15W40 (46 QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

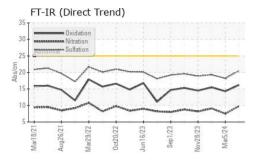
Fluid Condition

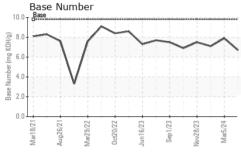
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

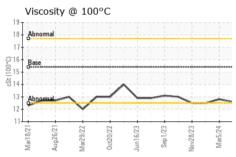
u 10)									
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		GFL0103058	GFL0110308	GFL0102763			
Sample Date		Client Info		23 May 2024	05 Mar 2024	15 Dec 2023			
Machine Age	hrs	Client Info		11806	11510	11190			
Oil Age	hrs	Client Info		616	320	588			
Oil Changed		Client Info		Changed	Not Changd	Changed			
Sample Status				NORMAL	NORMAL	NORMAL			
CONTAMINAT	ION	method	limit/base	current	history1	history2			
Fuel		WC Method	>2.0	<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	34	12	16			
Chromium	ppm	ASTM D5185m	>20	1	<1	<1			
Nickel	ppm	ASTM D5185m	>4	0	0	0			
Titanium	ppm	ASTM D5185m		0	0	<1			
Silver	ppm	ASTM D5185m	>3	<1	0	0			
Aluminum	ppm	ASTM D5185m	>20	3	3	3			
Lead	ppm	ASTM D5185m	>40	3	<1	2			
Copper	ppm	ASTM D5185m	>330	0	<1	1			
Tin	ppm	ASTM D5185m	>15	0	<1	<1			
Vanadium	ppm	ASTM D5185m		0	0	0			
Cadmium	ppm	ASTM D5185m		0	0	0			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m	0	2	4	6			
Barium	ppm	ASTM D5185m	0	0	0	9			
Molybdenum	ppm	ASTM D5185m	60	65	58	66			
Manganese	ppm	ASTM D5185m	0	<1	0	0			
Magnesium	ppm	ASTM D5185m	1010	1063	872	904			
Calcium	ppm	ASTM D5185m	1070	1282	1014	1102			
Phosphorus	ppm	ASTM D5185m	1150	1151	923	988			
Zinc	ppm	ASTM D5185m	1270	1474	1150	1193			
Sulfur	ppm	ASTM D5185m	2060	3880	2839	2932			
CONTAMINANTS method limit/base current history1 history2									
Silicon	ppm	ASTM D5185m	>25	4	4	3			
Sodium	ppm	ASTM D5185m		3	4	<1			
Potassium	ppm	ASTM D5185m	>20	4	3	5			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>3	0.5	0.2	0.3			
Nitration	Abs/cm	*ASTM D7624	>20	9.8	7.5	9.1			
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.5	18.2	19.3			
FLUID DEGRADATION method limit/base current history1 history2									
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.2	14.3	15.5			
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	6.7	7.9	7.1			
= 200 . Tallibor (DIV)	9 1101119	. 10 . 111 DE000	5.0	J.,					

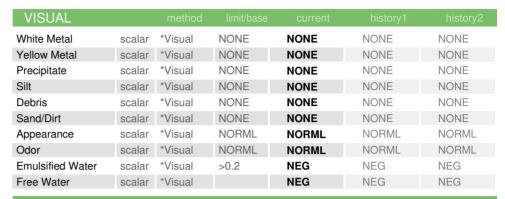


OIL ANALYSIS REPORT



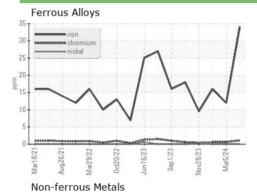


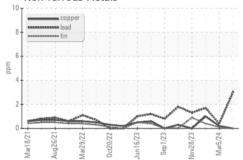


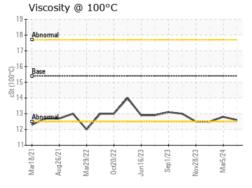


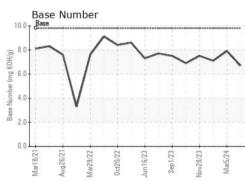
FLUID PROPE	EKITES	method	ilmit/base		nistory i	nistoryz
Visc @ 100°C	cSt	ASTM D445	15.4	12.6	12.8	12.5

GRAPHS













Certificate 12367

Laboratory Sample No.

Lab Number : 06193259 Unique Number : 11050011

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0103058 Received

: 28 May 2024 **Tested** : 30 May 2024 Diagnosed : 30 May 2024 - Wes Davis

GFL Environmental - 622 - Traverse City Hauling 160 Hughes Dr

Traverse City, MI US 49686 Contact: GARY BREWER

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: