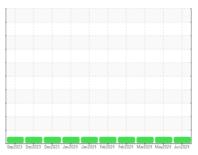


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
425150
Component

Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: please update meter to this reading.)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

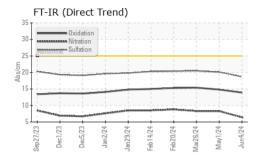
Fluid Condition

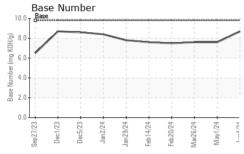
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

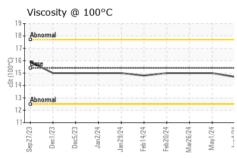
GAL) Seption Deciding Deciding Seption							
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0093440	GFL0109417	GFL0093583	
Sample Date		Client Info		04 Jun 2024	01 May 2024	26 Mar 2024	
Machine Age	hrs	Client Info		21314	21190	21188	
Oil Age	hrs	Client Info		124	576	564	
Oil Changed		Client Info		Changed	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	44	50	30	
Chromium	ppm	ASTM D5185m	>20	2	2	2	
Nickel	ppm	ASTM D5185m	>4	<1	0	<1	
Titanium	ppm	ASTM D5185m		8	3	3	
Silver	ppm	ASTM D5185m	>3	0	0	0	
Aluminum	ppm	ASTM D5185m	>20	8	12	10	
Lead	ppm	ASTM D5185m	>40	0	0	0	
Copper	ppm	ASTM D5185m	>330	4	6	5	
Tin	ppm	ASTM D5185m	>15	<1	0	2	
Vanadium	ppm	ASTM D5185m		0	<1	<1	
Cadmium	ppm	ASTM D5185m		0	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	7	0	3	
Barium	ppm	ASTM D5185m	0	1	0	0	
Molybdenum	ppm	ASTM D5185m	60	61	61	58	
Manganese	ppm	ASTM D5185m		<1	<1	<1	
Magnesium	ppm	ASTM D5185m	1010	922	906	905	
Calcium	ppm	ASTM D5185m	1070	1223	1330	1310	
Phosphorus	ppm	ASTM D5185m	1150	1042	1072	1039	
Zinc	ppm	ASTM D5185m	1270	1291	1294	1329	
Sulfur	ppm	ASTM D5185m	2060	3408	3540	3610	
CONTAMINAN	ITS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	10	7	7	
Sodium	ppm	ASTM D5185m		0	1	1	
Potassium	ppm	ASTM D5185m	>20	4	2	2	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.4	0.8	0.8	
Nitration	Abs/cm	*ASTM D7624	>20	6.4	8.3	8.3	
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.7	20.1	20.5	
FLUID DEGRA	OITAC	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.9	14.8	15.4	
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.7	7.6	7.6	

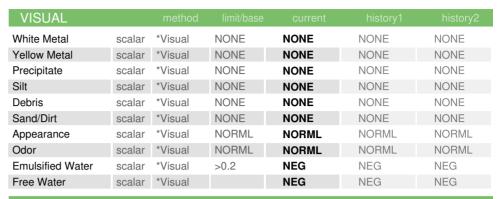


OIL ANALYSIS REPORT



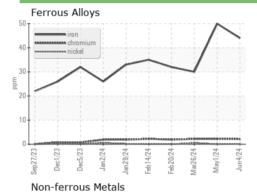




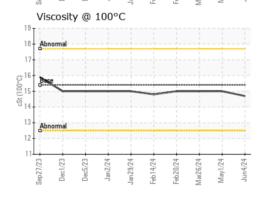


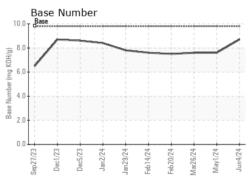
FLUID PROPE	RTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.7	15.0	15.0

GRAPHS



		*******	lead					
mdd					_	-		
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	2							
	O TERROR	- CO				- Mangalian	 *	-









Certificate 12367

Laboratory Sample No. Unique Number : 11063131 Test Package : FLEET

: GFL0093440 Lab Number : 06201008

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

Received **Tested** Diagnosed

: 05 Jun 2024 : 06 Jun 2024

: 08 Jun 2024 - Don Baldridge

GFL Environmental - 891 - Oklahoma City Hauling 1001 South Rockwell

Oklahoma City, OK US 73128

Contact: Andy Smith andrew.smith@gflenv.com

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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: (405)306-1651