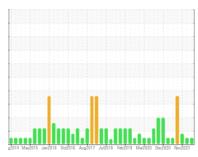


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
3507
Component
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.

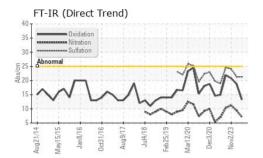
Fluid Condition

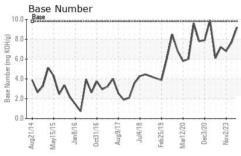
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

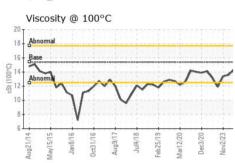
GAL)									
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		GFL0104077	GFL0068111	GFL0068129			
Sample Date		Client Info		11 Jun 2024	12 Jan 2024	02 Nov 2023			
Machine Age	hrs	Client Info		7365	6248	5579			
Oil Age	hrs	Client Info		600	600	600			
Oil Changed		Client Info		Changed	Changed	Changed			
Sample Status				NORMAL	NORMAL	ABNORMAL			
CONTAMINAT	ION	method	limit/base	current	history1	history2			
Fuel		WC Method	>3.0	<1.0	<1.0	1.5			
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	>75	17	23	▲ 85			
Chromium	ppm	ASTM D5185m	>5	1	2	5			
Nickel	ppm	ASTM D5185m	>4	0	0	1			
Titanium	ppm	ASTM D5185m	>2	0	0	<1			
Silver	ppm	ASTM D5185m	>2	0	0	0			
Aluminum	ppm	ASTM D5185m	>15	3	2	9			
Lead	ppm	ASTM D5185m	>25	0	<1	3			
Copper	ppm	ASTM D5185m	>100	0	2	5			
Tin	ppm	ASTM D5185m	>4	<1	<1	0			
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	10	8	10			
Barium	ppm	ASTM D5185m	0	0	0	0			
Molybdenum	ppm	ASTM D5185m	60	56	62	69			
Manganese	ppm	ASTM D5185m	0	<1	<1	1			
Magnesium	ppm	ASTM D5185m	1010	935	1026	873			
Calcium	ppm	ASTM D5185m	1070	1067	1192	1255			
Phosphorus	ppm	ASTM D5185m	1150	1045	1022	991			
Zinc	ppm	ASTM D5185m	1270	1242	1322	1264			
Sulfur	ppm	ASTM D5185m	2060	3557	3016	2907			
CONTAMINAN	ITS	method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>25	4	4	9			
Sodium	ppm	ASTM D5185m		3	11	10			
Potassium	ppm	ASTM D5185m	>20	3	1	13			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>6	1.9	0.3	0.8			
Nitration	Abs/cm	*ASTM D7624	>20	7.1	9.4	11.2			
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.3	21.3	24.1			
FLUID DEGRADATION method limit/base current history1 history2									
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.2	18.8	20.8			
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	9.2	7.7	6.8			
	39								

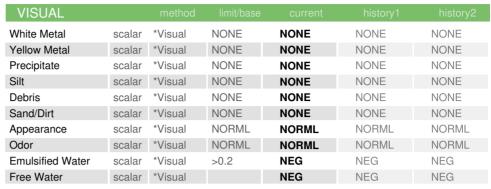


OIL ANALYSIS REPORT



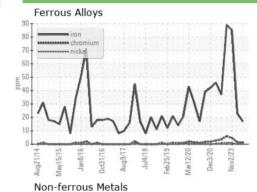




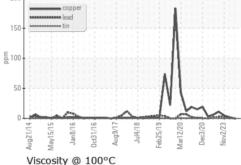


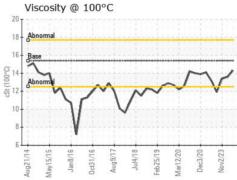
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.4	14.3	13.6	13.4	

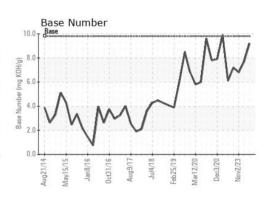
GRAPHS















Certificate 12367

Laboratory Sample No.

: GFL0104077 Lab Number : 06214428 Unique Number : 11087292

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Jun 2024 **Tested** : 20 Jun 2024

Diagnosed : 20 Jun 2024 - Wes Davis GFL Environmental - 028 - Weldon

2211 US Highway 301 Halifax, NC

US 27839 Contact: TRAVIS PORCH tporch@gflenv.com

 st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: (252)532-3344