

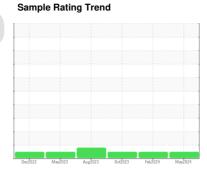
OIL ANALYSIS REPORT



Machine Id 912076 Component

Diesel Engine

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





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

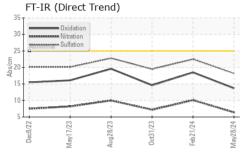
Fluid Condition

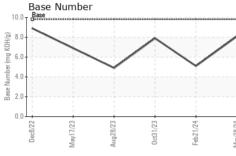
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

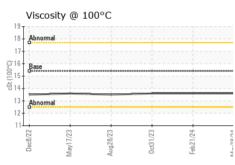
SAMPLE INFOR	RMATION	method				history2
Sample Number		Client Info		GFL0068275	GFL0092811	GFL0092784
Sample Date		Client Info		28 May 2024	21 Feb 2024	31 Oct 2023
Machine Age	hrs	Client Info		0	3376	3376
Oil Age	hrs	Client Info		0	3376	3376
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
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
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	0	21	12
Chromium	ppm	ASTM D5185m	>20	0	1	<1
Nickel	ppm	ASTM D5185m	>5	0	4	<1
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	1	2
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	0	5	<1
Tin	ppm	ASTM D5185m	>15	0	<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	0	<1	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	57	59	60
Manganese	ppm	ASTM D5185m	0	0	<1	0
Magnesium	ppm	ASTM D5185m	1010	915	911	906
Calcium	ppm	ASTM D5185m	1070	1039	1027	1034
Phosphorus	ppm	ASTM D5185m	1150	1019	917	962
Zinc	ppm	ASTM D5185m	1270	1198	1132	1186
Sulfur	ppm	ASTM D5185m	2060	3403	2221	2934
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	3	3
Sodium	ppm	ASTM D5185m		2	8	1
Potassium	ppm	ASTM D5185m	>20	0	0	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.3	8.0	0.6
Nitration	Abs/cm	*ASTM D7624	>20	6.4	10.1	7.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.2	22.5	19.5
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.7	18.5	14.6

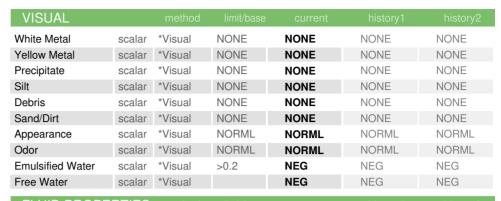


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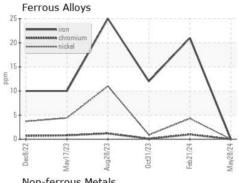


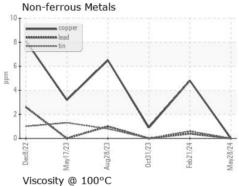


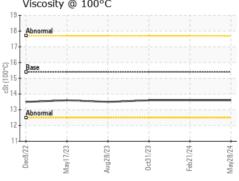


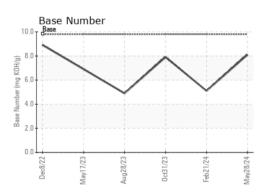
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.4	13.6	13.6	13.6	

GRAPHS













Certificate 12367

Laboratory Sample No. Lab Number : 06197248 Unique Number : 11059371 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0068275 Received **Tested**

Diagnosed

: 03 Jun 2024 : 03 Jun 2024 : 03 Jun 2024 - Wes Davis

Contact: MARK WOMBLE mwomble@gflenv.com T: (586)825-9514

2051 W. Bristol Rd

Flint Township, MI

US 48507

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)

GFL Environmental - 455 - Flint