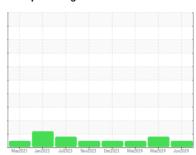


OIL ANALYSIS REPORT

Sample Rating Trend









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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

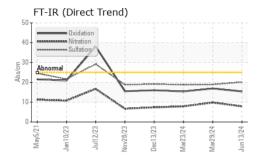
Fluid Condition

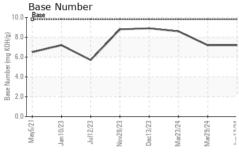
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

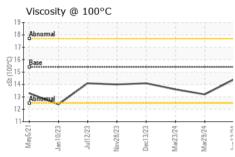
SAMPLE INFOR	MOLLVM	method	limit/base	current	history1	history2
Sample Number	IVIATION	Client Info	IIIIIIVDase	GFL0122399	GFL0108787	GFL0117676
Sample Number		Client Info		13 Jun 2024	29 Mar 2024	23 Mar 2024
Machine Age	mls	Client Info		12954	12339	12292
Oil Age	mls	Client Info		12954	12339	11799
Oil Changed	11115	Client Info		Changed	Changed	Not Changd
		Cilent inio		NORMAL	ABNORMAL	NORMAL
Sample Status	ION		11 11 11			
CONTAMINAT	ION	method	limit/base		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	>75	8	<u> </u>	82
Chromium	ppm	ASTM D5185m	>5	0	1	<1
Nickel	ppm	ASTM D5185m	>4	<1	1	<1
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>15	2	8	6
Lead	ppm	ASTM D5185m	>25	<1	<1	0
Copper	ppm	ASTM D5185m	>100	<1	2	2
Tin	ppm	ASTM D5185m	>4	<1	0	0
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	3	1	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	57	56	59
Manganese	ppm	ASTM D5185m	0	<1	1	<1
Magnesium	ppm	ASTM D5185m	1010	963	917	986
Calcium	ppm	ASTM D5185m	1070	1063	1037	1099
Phosphorus	ppm	ASTM D5185m	1150	1035	963	1045
Zinc	ppm	ASTM D5185m	1270	1293	1164	1248
Sulfur	ppm	ASTM D5185m	2060	3185	3408	3686
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	10	8
Sodium	ppm	ASTM D5185m		4	4	6
Potassium	ppm	ASTM D5185m	>20	4	10	6
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.7	0.4	0.3
Nitration	Abs/cm	*ASTM D7624	>20	7.9	9.8	7.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.1	18.9	18.8
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.4	16.9	15.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.2	7.2	8.6

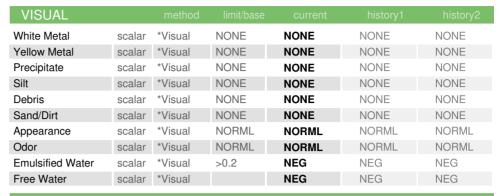


OIL ANALYSIS REPORT



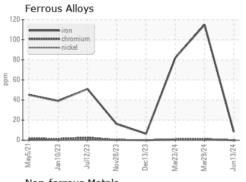


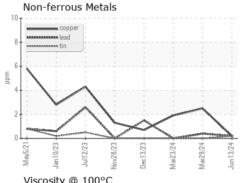


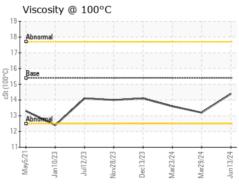


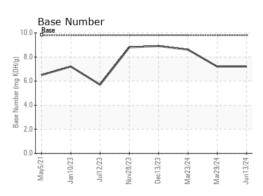
FLUID PROPI	ERTIES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.4	13.2	13.6

GRAPHS













Certificate 12367

Laboratory Sample No.

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0122399 Lab Number : 06215355 Unique Number : 11088219

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

Received : 20 Jun 2024 **Tested** : 21 Jun 2024 Diagnosed

: 21 Jun 2024 - Wes Davis

GFL Environmental - 415 - Michigan East 6200 Elmridge Sterling Heights, MI US 48313

Contact: Frank Wolak fwolak@gflenv.com T: (586)825-9514

* - 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)