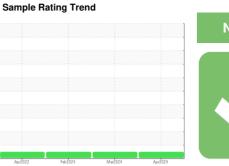


OIL ANALYSIS REPORT



NORMAL





Machine Id 7814M 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

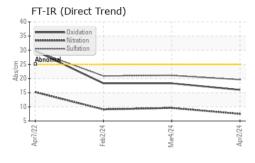
Fluid Condition

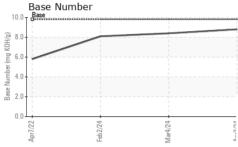
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

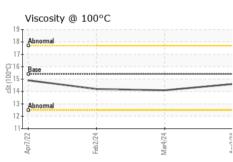
OANADI E INIERE	MATION.					
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0104490	GFL0104378	GFL0110080
Sample Date		Client Info		02 Apr 2024	04 Mar 2024	02 Feb 2024
Machine Age	hrs	Client Info		4960	4944	4863
Oil Age	hrs	Client Info		600	600	600
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	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	>90	15	26	19
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	2
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	<1	<1	<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	8	<1	2
Barium	ppm	ASTM D5185m	0	0	0	5
Molybdenum	ppm	ASTM D5185m	60	61	60	60
Manganese	ppm	ASTM D5185m	0	<1	0	0
Magnesium	ppm	ASTM D5185m	1010	959	1049	947
Calcium	ppm	ASTM D5185m	1070	1041	1126	1013
Phosphorus	ppm	ASTM D5185m	1150	1087	1140	940
Zinc	ppm	ASTM D5185m	1270	1248	1313	1185
Sulfur	ppm	ASTM D5185m	2060	3494	3162	2943
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	5	5
Sodium	ppm	ASTM D5185m		69	14	0
Potassium	ppm	ASTM D5185m	>20	2	0	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.4	0.8	0.4
Nitration	Abs/cm	*ASTM D7624	>20	7.5	9.6	9.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.6	21.1	20.9
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.0	18.3	18.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.8	8.4	8.1
. ,						

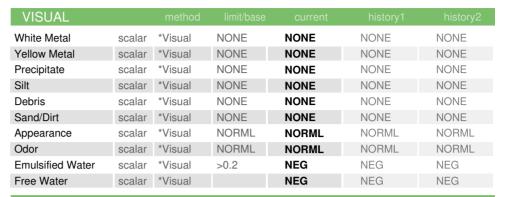


OIL ANALYSIS REPORT



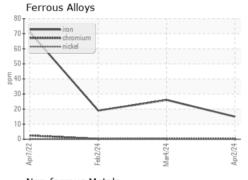


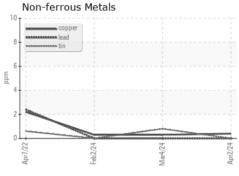


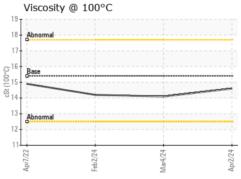


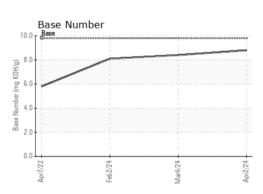
FLUID PROPE	ERHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.6	14.1	14.2

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0104490 Lab Number : 06140968 Unique Number : 10965776

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Apr 2024

Tested : 09 Apr 2024 Diagnosed : 09 Apr 2024 - Wes Davis

GFL Environmental - 410 - Michigan West

39000 Van Born Rd Wayne, MI US 48184

Contact: Belal Dgheish bdgheish@gflenv.com T: (734)714-2340

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)

Report Id: GFL410 [WUSCAR] 06140968 (Generated: 04/09/2024 08:34:19) Rev: 1

Submitted By: seel also GFL468 - Laura Wilson