

OIL ANALYSIS REPORT

Sample Rating Trend

Jani 1924 Jul 2024





Machine Id
527094
Component
Diesel Engine

Fluid

PETRO CANADA DURON SHP 15W40 (--- 0

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

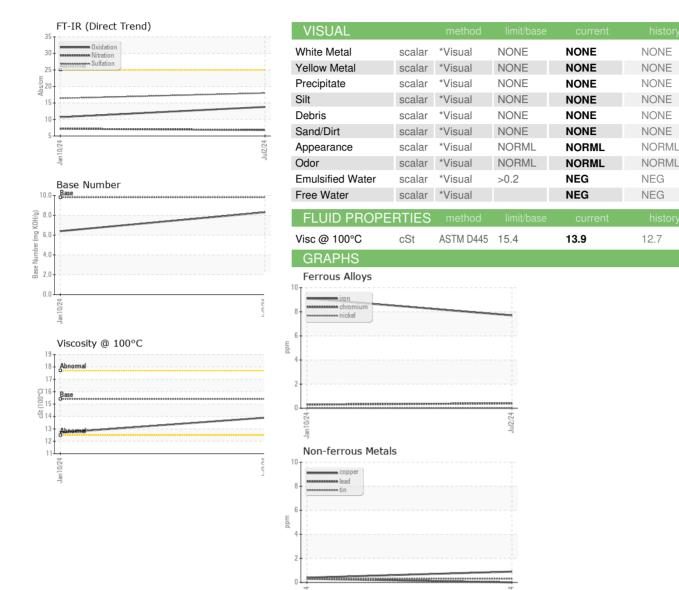
Fluid Condition

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

GAL)			Jan 2024	Jul2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0095272	GFL0095255	
Sample Date		Client Info		02 Jul 2024	10 Jan 2024	
Machine Age	hrs	Client Info		16670	16413	
Oil Age	hrs	Client Info		600	600	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	8	9	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>4	0	0	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m	>3	<1	0	
Aluminum	ppm	ASTM D5185m	>20	5	3	
Lead	ppm	ASTM D5185m	>40	0	<1	
Copper	ppm	ASTM D5185m	>330	<1	<1	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	10	29	
Barium	ppm		0	0	3	
Molybdenum	ppm	ASTM D5185m	60	60	54	
Manganese	ppm		0	0	0	
Magnesium	ppm	ASTM D5185m	1010	811	80	
Calcium	ppm	ASTM D5185m	1070	1240	2044	
Phosphorus	ppm	ASTM D5185m	1150	1035	906	
Zinc	ppm	ASTM D5185m	1270	1223	1083	
Sulfur	ppm	ASTM D5185m	2060	3178	3857	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	2	3	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.1	
Nitration	Abs/cm	*ASTM D7624		6.8	7.2	
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.0	16.4	
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.8	10.7	
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.3	6.4	
= 300 · · · · · · · · (DIV)			3.0	0.0	0	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number : 06239867 Unique Number : 11128701 Test Package : FLEET

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Jan 10/24

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0095272 Received

: 18 Jul 2024 **Tested** : 18 Jul 2024 Diagnosed : 18 Jul 2024 - Wes Davis

3204 Lower Huntington Rd FORT WAYNE, IN

US 46809 Contact: MICHAEL MUGG MMUGG@GFLENV.COM

GFL Environmental - 421 - Huntington Road Hauling

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.

Viscosity @ 100°C

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

(mg K0H/g)

Base

0.0

Report Id: GFL421 [WUSCAR] 06239867 (Generated: 07/18/2024 16:51:56) Rev: 1

Contact/Location: see also GFL421A - MICHAEL MUGG - GFL421

Base Number

T:

F: