

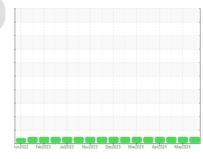
OIL ANALYSIS REPORT

MONTGOMERY HINO 229059

Diesel Engine

Fluid

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



Sample Rating Trend



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

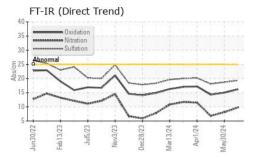
Fluid Condition

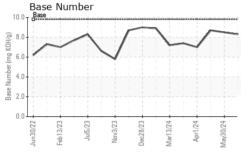
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

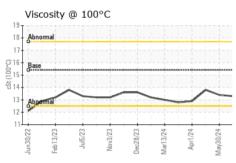
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SAMPLE INFOR	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		GFL0127229	GFL0088027	GFL0118431			
Sample Date		Client Info		08 Jul 2024	30 May 2024	06 May 2024			
Machine Age	hrs	Client Info		10590	10455	10350			
Oil Age	hrs	Client Info		369	0	129			
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd			
Sample Status				NORMAL	NORMAL	NORMAL			
CONTAMINAT	ION	method	limit/base	current	history1	history2			
Fuel		WC Method	>5	<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	>100	8	7	4			
Chromium	ppm	ASTM D5185m	>20	0	<1	0			
Nickel	ppm	ASTM D5185m	>4	0	<1	0			
Titanium	ppm	ASTM D5185m		0	<1	0			
Silver	ppm	ASTM D5185m	>3	0	0	0			
Aluminum	ppm	ASTM D5185m	>20	4	4	2			
Lead	ppm	ASTM D5185m	>40	<1	1	<1			
Copper	ppm	ASTM D5185m	>330	1	1	<1			
Tin	ppm	ASTM D5185m	>15	0	<1	0			
Vanadium	ppm	ASTM D5185m		0	<1	0			
Cadmium	ppm	ASTM D5185m		0	<1	0			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m	0	1	0	0			
Barium	ppm	ASTM D5185m	0	0	0	0			
Molybdenum	ppm	ASTM D5185m	60	61	61	62			
Manganese	ppm	ASTM D5185m	0	<1	0	<1			
Magnesium	ppm	ASTM D5185m	1010	1001	954	1057			
Calcium	ppm	ASTM D5185m	1070	1181	1042	1159			
Phosphorus	ppm	ASTM D5185m	1150	1109	1084	1160			
Zinc	ppm	ASTM D5185m	1270	1319	1292	1380			
Sulfur	ppm	ASTM D5185m	2060	3570	3308	4025			
CONTAMINANTS method limit/base current history1 history2									
Silicon	ppm	ASTM D5185m	>25	5	4	3			
Sodium	ppm	ASTM D5185m		4	2	1			
Potassium	ppm	ASTM D5185m	>20	3	4	<1			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>3	8.0	0.5	0.4			
Nitration	Abs/cm	*ASTM D7624	>20	9.8	8.1	6.8			
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3	18.7	18.1			
FLUID DEGRADATION method limit/base current history1 history2									
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.2	15.0	14.3			
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.3	8.5	8.7			
(214)									

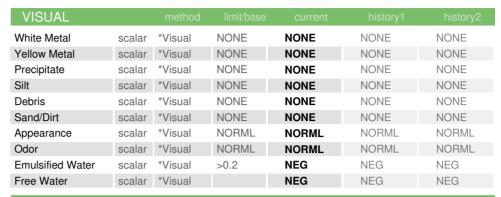


OIL ANALYSIS REPORT



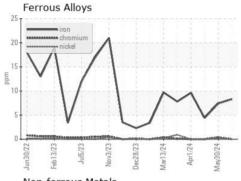


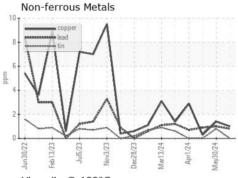


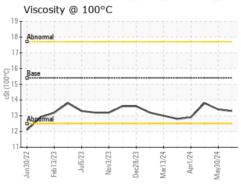


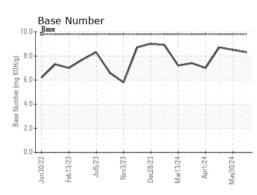
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.4	13.3	13.4	13.8	

GRAPHS













Certificate 12367

Laboratory Sample No.

Test Package : FLEET

: GFL0127229 Lab Number : 06231292 Unique Number : 11114785

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 09 Jul 2024 **Tested** : 10 Jul 2024

Diagnosed : 10 Jul 2024 - Wes Davis

GFL Environmental - 955 - Montgomery

1121 Wilbanks St Montgomery, AL US 36108

Contact: LISA REEVES

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)

Report Id: GFL955 [WUSCAR] 06231292 (Generated: 07/10/2024 04:36:59) Rev: 1

Submitted By: Lisa Goldman

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