

OIL ANALYSIS REPORT

Sample Rating Trend



HINO 10698

Component Diesel Engine

Eluid

PETRO CANADA DURON SHP 15W40 (4 GAL)

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.

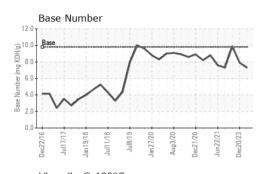
Fluid Condition

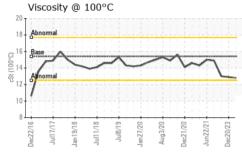
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

AL)									
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		GFL0109031	GFL0086249	GFL0089595			
Sample Date		Client Info		29 Feb 2024	20 Dec 2023	24 Aug 2023			
Machine Age	hrs	Client Info		11791	11681	0			
Dil Age	hrs	Client Info		0	11681	0			
Oil Changed		Client Info		N/A	N/A	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			
Nater		WC Method	>0.2	NEG	NEG	NEG			
Glycol		WC Method		NEG	NEG	NEG			
WEAR METAL	S	method	limit/base	current	history1	history2			
ron	ppm	ASTM D5185m	>100	4	8	35			
Chromium	ppm	ASTM D5185m	>20	<1	0	1			
Nickel	ppm	ASTM D5185m	>4	0	0	0			
Titanium	ppm	ASTM D5185m		<1	0	<1			
Silver	ppm	ASTM D5185m	>3	0	0	0			
Aluminum	ppm	ASTM D5185m	>20	5	2	7			
ead	ppm	ASTM D5185m	>40	0	2	0			
Copper	ppm	ASTM D5185m	>330	<1	1	3			
Γin	ppm	ASTM D5185m	>15	0	0	<1			
/anadium	ppm	ASTM D5185m		<1	<1	0			
Cadmium	ppm	ASTM D5185m		0	0	0			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m	0	7	17	46			
Barium	ppm	ASTM D5185m	0	0	0	6			
Nolybdenum	ppm	ASTM D5185m	60	49	58	44			
Nanganese	ppm	ASTM D5185m	0	0	<1	5			
Magnesium	ppm	ASTM D5185m	1010	668	721	546			
Calcium	ppm	ASTM D5185m	1070	1064	1223	1764			
Phosphorus	ppm	ASTM D5185m	1150	755	966	770			
Zinc	ppm	ASTM D5185m	1270	1052	1143	972			
Sulfur	ppm	ASTM D5185m	2060	2519	2803	2918			
CONTAMINAN	TS	method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>25	2	4	19			
Sodium	ppm	ASTM D5185m		4	1	4			
Potassium	ppm	ASTM D5185m	>20	5	0	3			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>3	0.2	0.8	0.5			
Nitration	Abs/cm	*ASTM D7624	>20	6.7	9.4	7.7			
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.7	19.2	22.7			
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FLUID DEGRAD		method	limit/base	current	history1	history2			
FLUID DEGRAD	Abs/.1mm	*ASTM D7414	>25	current 13.4	16.0	20.6			

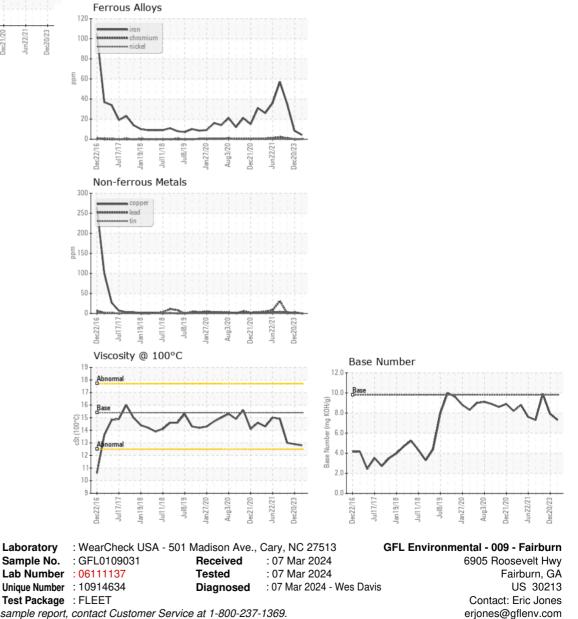


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	12.8	12.9	13.0
GRAPHS						





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)

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