

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL





Machine Id 912094 Component Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- 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

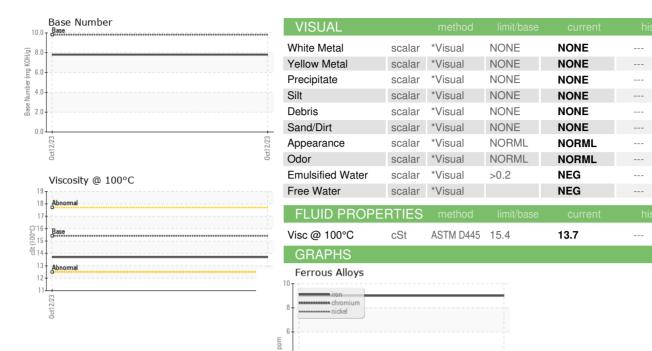
Fluid Condition

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

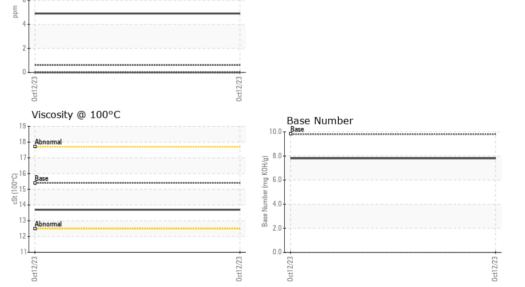
N SHP 15W40 (GAL)			Oct2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0087922		
Sample Date		Client Info		12 Oct 2023		
Machine Age	hrs	Client Info		2263		
Dil Age	hrs	Client Info		600		
Dil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINA	TION	method	limit/base	current	history1	history2
- -uel		WC Method	>3.0	<1.0		
Glycol		WC Method		NEG		
WEAR METAI	LS	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>120	9		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>5	1		
Fitanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>2	<1		
Aluminum	ppm	ASTM D5185m	>20	<1		
_ead	ppm	ASTM D5185m	>40	0		
	- ' '	ASTM D5185m		5		
Copper	ppm			_		
Γin (ppm	ASTM D5185m	>15	<1		
/anadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	6		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	58		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1010	869		
Calcium	ppm	ASTM D5185m	1070	1123		
Phosphorus	ppm	ASTM D5185m	1150	923		
Zinc	ppm	ASTM D5185m	1270	1107		
Sulfur	ppm	ASTM D5185m	2060	2657		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4		
Sodium	ppm	ASTM D5185m		5		
Potassium	ppm	ASTM D5185m	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.5		
Nitration	Abs/cm	*ASTM D7624	>20	6.7		
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.6		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.8		
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OIL ANALYSIS REPORT



Non-ferrous Metals







Certificate L2367

Laboratory Sample No. Lab Number

Unique Number Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0087922 : 05979271 : 10696566

Received Diagnosed Diagnostician

: 16 Oct 2023 : 16 Oct 2023 : Wes Davis

GFL Environmental - 960 - West Central HC JacksonvilleHC 2263 State Hwy 104

Jacksonville, IL US 62656

Contact: David Bradshaw david.bradshaw@gflenv.com

T: F:

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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