

OIL ANALYSIS REPORT







Fluid PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

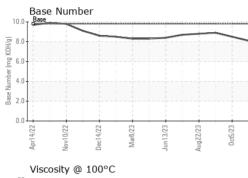
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

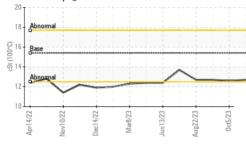
Sample Number Client Info GFL091230 GFL091234 GFL0917434 NORMAL NORMAL	-, 		Apr2022 Nov2022 Dec2022	Mar2023 Jun2023 Aug2023	0ct2023	
Sample Date Client Info 11 Oct 2023 05 Oct 2023 14 Sep Machine Age hrs Client Info 16773 352345 16549 Oil Age hrs Client Info 0 0 0 0 Oil Changed Client Info Changed NOT Changed NOT MAL NORMAL NORMA CONTAMINATION method imit/base current history1 history1 Fuel WC Method >5 <1.0 <1.0 <1.0 Glycol wC Method >5 <1.0 <1.0 <1.0 Glycol wC Method >5 <1.0 <1.0 <1.0 Kron ppm ASTM D5185n >100 15 13 11 Chromium ppm ASTM D5185n >4 <1 <1 <1 Nickel ppm ASTM D5185n >3 0 <1 <1 <1 Silver ppm ASTM D5185n >40 <1 <1 <1 </th <th>AMPLE INFORM</th> <th>ATION met</th> <th>hod limit/ba</th> <th>se current</th> <th>history1</th> <th>history2</th>	AMPLE INFORM	ATION met	hod limit/ba	se current	history1	history2
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Sulfur ppm ASTM D5185m 2060 3543 3192 3583 CONTAMINANTS method limit/base current history1 hist Silicon ppm ASTM D5185m >25 18 19 18 Sodium ppm ASTM D5185m >25 18 19 18 Sodium ppm ASTM D5185m >20 2 2 1 Potassium ppm ASTM D5185m >20 2 2 2 INFRA-RED method limit/base current history1 hist Soot % % *ASTM D7844 >3 0.2 0.2 0.2 Nitration Abs/cm *ASTM D7624 >20 9.3 9.4 8.5 Sulfation Abs/.1mm *ASTM D7415 >30 20.1 20.8 20.3	osphorus	ppm ASTM D	05185m 1150	1070	1111	1113
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Nitration Abs/cm *ASTM D7624 >20 9.3 9.4 8.5 Sulfation Abs/.1mm *ASTM D7415 >30 20.1 20.8 20.3	NFRA-RED	met	hod limit/ba	se current	history1	history2
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Sulfation Abs/.1mm *ASTM D7415 >30 20.1 20.8 20.3	ation	Abs/cm *ASTM	D7624 >20	9.3	9.4	8.5
FLUID DEGRADATION method limit/base current history1 hist	fation			20.1	20.8	20.3
	LUID DEGRAD	ATION met	hod limit/ba	se current	history1	history2
Oxidation Abs/.1mm *ASTM D7414 >25 18.6 19.0 17.2	dation	Abs/.1mm *ASTM	D7414 >25	18.6	19.0	17.2
Base Number (BN) mg KOH/g ASTM D2896 9.8 8.1 8.5 8.9	se Number (BN)	mg KOH/g ASTM	D2896 9.8		8.5	8.9



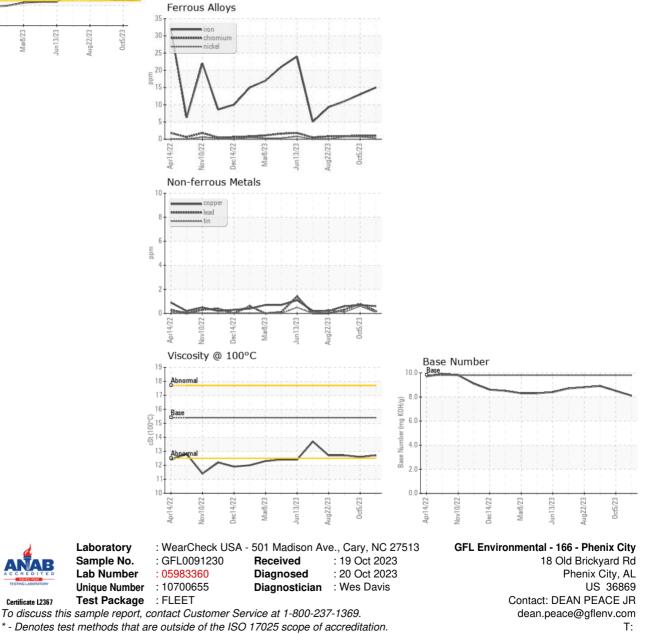
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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)





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	12.7	12.6	12.7
GRAPHS						



Certificate L2367

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