



OIL ANALYSIS REPORT

Sample Rating Trend

GLYCOL

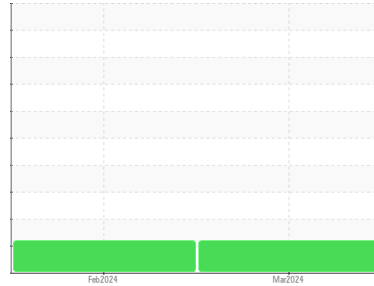


Area
(L913871)

Machine Id
829119

Component
Diesel Engine

Fluid
PETRO CANADA DURON SHP 10W30 (38 LTR)



DIAGNOSIS

Recommendation

Vérifier le niveau du fluide de refroidissement. Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. (Customer Sample Comment: Recheck après 52hrs car avait possibilité preston dans l'huile, mais preston ne baisse pas)

Wear

Les taux d'usure de tous les composants sont normaux.

Contamination

Des produits de traitement de l'eau sont présents, ce qui indique une fuite lente de fluide de refroidissement. Le test de glycol est négatif. Il n'y a aucun indice de contamination dans l'huile.

Fluid Condition

L'état de l'huile est acceptable pour la durée de service (voir recommandation).

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	GFL0081628	GFL0081619	---
Sample Date	Client Info	07 Mar 2024	27 Feb 2024	---
Machine Age	hrs	Client Info	11494	11443
Oil Age	hrs	Client Info	52	600
Oil Changed	Client Info	Not Chngd	Changed	---
Sample Status		ATTENTION	ATTENTION	---

CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >5	<1.0	<1.0	---
Water	WC Method >0.2	NEG	NEG	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >100	3	11	---
Chromium	ppm ASTM D5185(m) >20	0	<1	---
Nickel	ppm ASTM D5185(m) >4	<1	<1	---
Titanium	ppm ASTM D5185(m)	0	0	---
Silver	ppm ASTM D5185(m) >3	0	0	---
Aluminum	ppm ASTM D5185(m) >20	3	5	---
Lead	ppm ASTM D5185(m) >40	0	<1	---
Copper	ppm ASTM D5185(m) >330	1	6	---
Tin	ppm ASTM D5185(m) >15	0	0	---
Antimony	ppm ASTM D5185(m)	0	0	---
Vanadium	ppm ASTM D5185(m)	0	0	---
Beryllium	ppm ASTM D5185(m)	0	0	---
Cadmium	ppm ASTM D5185(m)	0	0	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 2	13	31	---
Barium	ppm ASTM D5185(m) 0	0	0	---
Molybdenum	ppm ASTM D5185(m) 50	74	134	---
Manganese	ppm ASTM D5185(m) 0	0	0	---
Magnesium	ppm ASTM D5185(m) 950	937	894	---
Calcium	ppm ASTM D5185(m) 1050	1018	1035	---
Phosphorus	ppm ASTM D5185(m) 995	1015	958	---
Zinc	ppm ASTM D5185(m) 1180	1122	1111	---
Sulfur	ppm ASTM D5185(m) 2600	2722	2593	---
Lithium	ppm ASTM D5185(m)	<1	<1	---

CONTAMINANTS

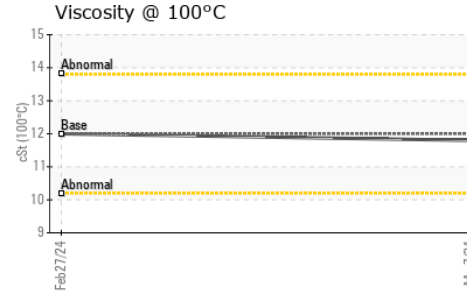
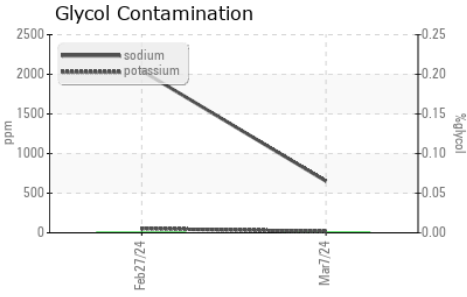
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >25	8	29	---
Sodium	ppm ASTM D5185(m)	652	2046	---
Potassium	ppm ASTM D5185(m) >20	19	53	---
Glycol	% ASTM D7922*	0.0	0.0	---

INFRA-RED

method	limit/base	current	history1	history2
Soot %	% ASTM D7844* >3	0	0	---
Nitration	Abs/cm ASTM D7624* >20	6.2	10.6	---
Sulfation	Abs./1mm ASTM D7415* >30	18.2	21.0	---



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FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	13.3	14.8	---

VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---
Free Water	scalar	Visual*		NEG	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.8	12.0	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0081628 **Received** : 14 Mar 2024
Lab Number : **02621907** **Tested** : 14 Mar 2024
Unique Number : 5747026 **Diagnosed** : 15 Mar 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: Glycol)

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 169 Route 117
 Mont-Tremblant, QC
 CA J8E 1A1
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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.