



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
711026
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0114908	GFL0097117	GFL0061804
Sample Date		Client Info		26 Feb 2024	30 Nov 2023	14 Oct 2022
Machine Age	hrs	Client Info		5986	83582	2803
Oil Age	hrs	Client Info		0	0	600
Filter Age	hrs	Client Info		0	0	600
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>120	6	9	13
Chromium	ppm	ASTM D5185(m)	>20	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	<1	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	1	2	4
Lead	ppm	ASTM D5185(m)	>40	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>330	<1	1	3
Tin	ppm	ASTM D5185(m)	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	4	22	3
Potassium	ppm	ASTM D5185(m)	>20	1	2	11
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>4	0.1	0.2	0.2
Nitration	Abs/cm	ASTM D7624*	>20	7.7	8.7	8.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.3	20.4	20.8
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		1	6	8
Boron	ppm	ASTM D5185(m)	2	1	4	2
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	58	57	61
Manganese	ppm	ASTM D5185(m)	0	0	0	<1
Magnesium	ppm	ASTM D5185(m)	950	944	939	1000
Calcium	ppm	ASTM D5185(m)	1050	1054	1098	1104
Phosphorus	ppm	ASTM D5185(m)	995	976	915	1035
Zinc	ppm	ASTM D5185(m)	1180	1158	1116	1207
Sulfur	ppm	ASTM D5185(m)	2600	2457	2287	2307
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.5	17.2	16.9
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.3	10.9	11.3

