



OIL ANALYSIS REPORT

Sample Rating Trend

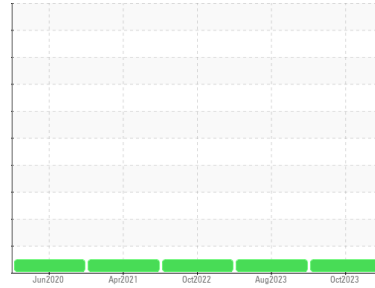
NORMAL



Machine Id
7241

Component
Diesel Engine

Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)



DIAGNOSIS

Recommendation

Aucune mesure corrective n'est recommandée pour l'instant. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Wear

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

Contamination

La teneur en carburant est négligeable. 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.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	GFL0097066	GFL0088806	GFL0062056
Sample Date	Client Info	10 Oct 2023	28 Aug 2023	27 Oct 2022
Machine Age	hrs	13968	0	161569
Oil Age	hrs	600	600	0
Oil Changed	Client Info	Changed	Changed	N/A
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Glycol	WC Method	NEG	NEG	0.0

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m) >65	4	8	14
Chromium	ppm	ASTM D5185(m) >5	<1	<1	1
Nickel	ppm	ASTM D5185(m) >3	0	0	0
Titanium	ppm	ASTM D5185(m) >5	0	0	<1
Silver	ppm	ASTM D5185(m) >2	<1	<1	0
Aluminum	ppm	ASTM D5185(m) >35	2	5	12
Lead	ppm	ASTM D5185(m) >10	0	0	0
Copper	ppm	ASTM D5185(m) >180	1	2	5
Tin	ppm	ASTM D5185(m) >8	0	0	<1
Antimony	ppm	ASTM D5185(m) >35	0	0	0
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m) 2	6	28	8
Barium	ppm	ASTM D5185(m) 0	<1	0	0
Molybdenum	ppm	ASTM D5185(m) 50	63	82	65
Manganese	ppm	ASTM D5185(m) 0	0	<1	<1
Magnesium	ppm	ASTM D5185(m) 950	826	205	784
Calcium	ppm	ASTM D5185(m) 1050	1293	1924	1312
Phosphorus	ppm	ASTM D5185(m) 995	1011	1080	1081
Zinc	ppm	ASTM D5185(m) 1180	1208	1175	1195
Sulfur	ppm	ASTM D5185(m) 2600	2737	2968	2761
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >15	3	5	5
Sodium	ppm	ASTM D5185(m)	2	2	2
Potassium	ppm	ASTM D5185(m) >20	1	2	7
Fuel	%	ASTM D7593* >3.0	0.5	<1.0	<1.0

INFRA-RED

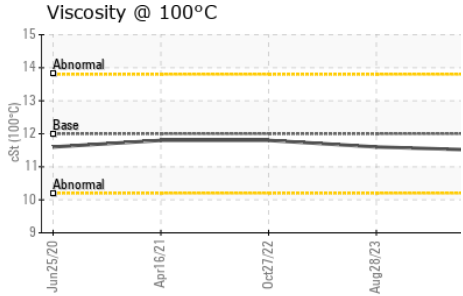
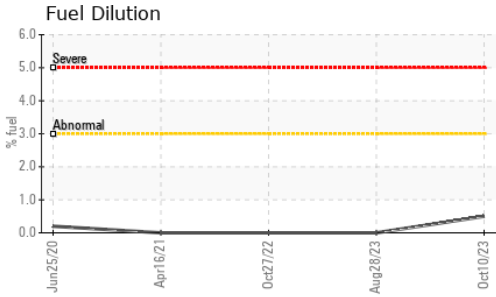
method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844* >3	0.1	0.4	0.4
Nitration	Abs/cm	ASTM D7624* >20	5.8	8.4	7.6
Sulfation	Abs/.1mm	ASTM D7415* >30	18.8	19.8	20.0

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414* >25	13.6	13.0	14.7



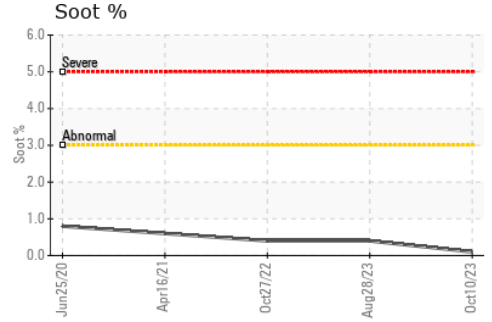
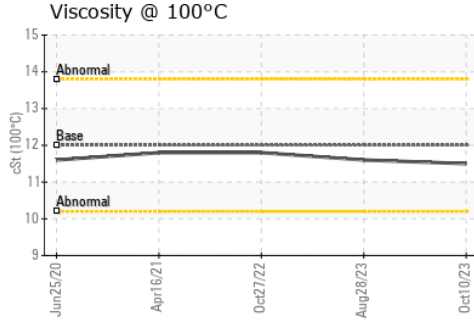
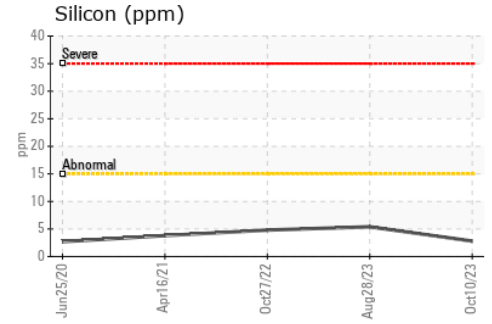
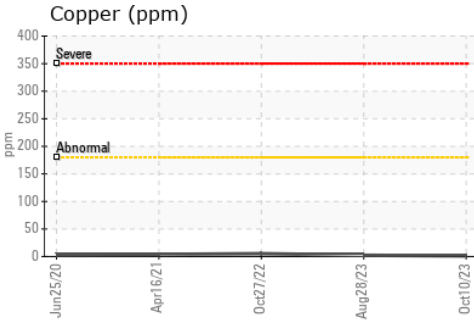
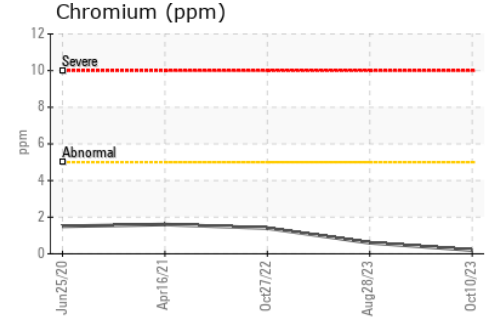
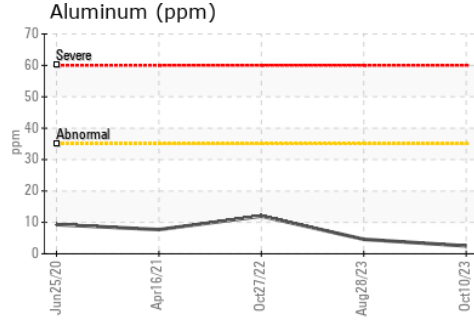
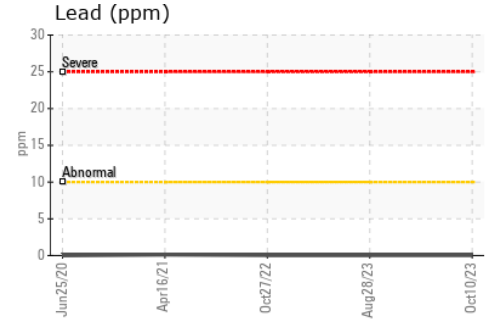
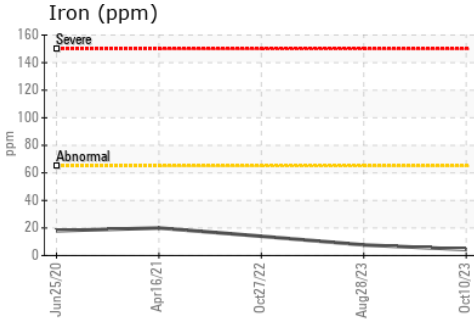
OIL ANALYSIS REPORT



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	11.5	11.6

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste
Sample No. : GFL0097066 **Received** : 13 Oct 2023 4365 boul. St-Elzear Ouest, Laval, QC
Lab Number : 02588861 **Diagnosed** : 16 Oct 2023 CA H7P 4J3
Unique Number : 5657927 **Diagnostician** : Wes Davis Contact: Pieces Laval
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel) pieces.laval@gflenv.com
 T: (450)687-3838
 F:

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.