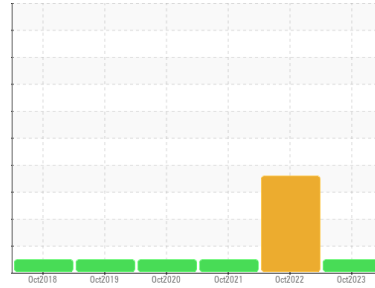


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
DOUANES HIGH WATER [209272]
Machine Id
PERKINS GD10548E

Component
Diesel Engine
Fluid
APRIL SUPERFLO GOLD K 15W40 (--- GAL)

DIAGNOSIS

Recommendation

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

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			WA0020567	GD0005767	GD0005362
Sample Date	Client Info			04 Oct 2023	13 Oct 2022	27 Oct 2021
Machine Age	hrs	Client Info		0	735	653
Oil Age	hrs	Client Info		0	0	22
Oil Changed	Client Info			N/A	Changed	Changed
Sample Status				NORMAL	ATTENTION	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>5		<1.0	<1.0	<1.0
Glycol	WC Method			NEG	▲ 0.015	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>250	5	8	3
Chromium	ppm	ASTM D5185(m)	>10	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)	>3	<1	0	0
Aluminum	ppm	ASTM D5185(m)	>35	1	1	2
Lead	ppm	ASTM D5185(m)	>100	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>60	5	13	2
Tin	ppm	ASTM D5185(m)	>5	0	<1	<1
Antimony	ppm	ASTM D5185(m)		0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

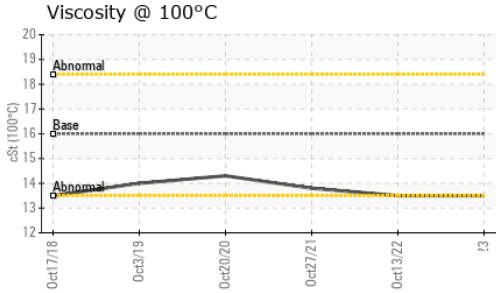
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	34	2	4	13
Barium	ppm	ASTM D5185(m)	0	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	70	66	67	71
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	640	1006	956	932
Calcium	ppm	ASTM D5185(m)	1410	1101	1159	1404
Phosphorus	ppm	ASTM D5185(m)	1020	1055	1131	1206
Zinc	ppm	ASTM D5185(m)	1170	1246	1225	1357
Sulfur	ppm	ASTM D5185(m)	2930	2749	2789	3098
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>35	3	4	3
Sodium	ppm	ASTM D5185(m)		15	▲ 48	2
Potassium	ppm	ASTM D5185(m)	>20	1	5	<1

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	5.1	5.9	5.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.0	19.1	19.0

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.4	14.5	13.8

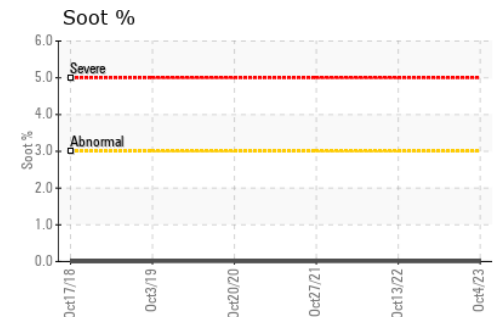
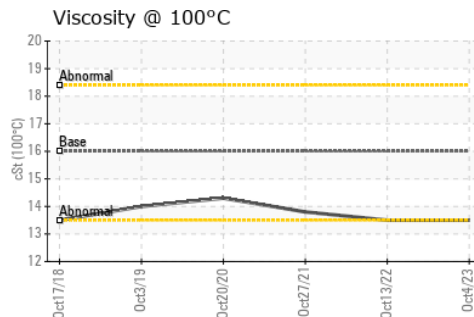
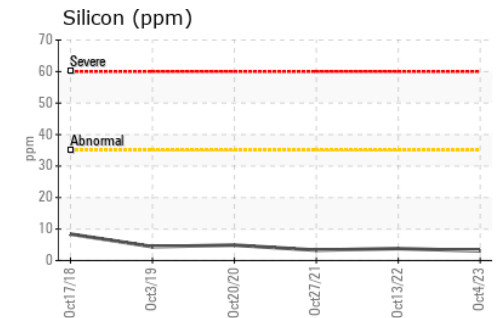
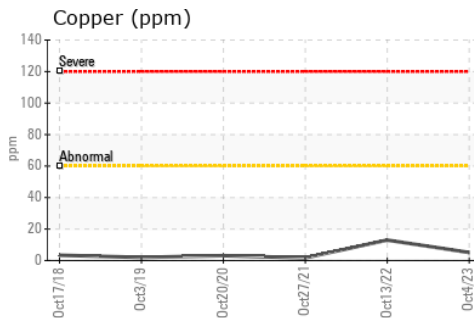
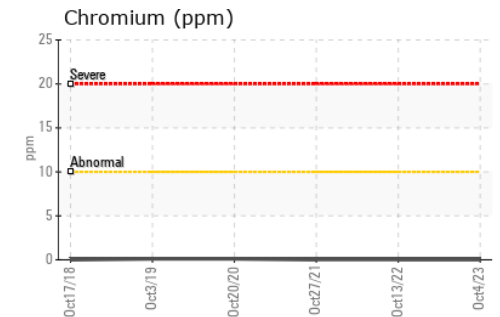
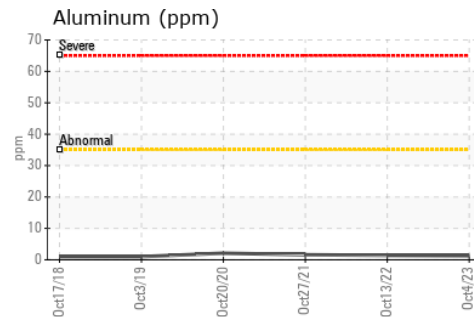
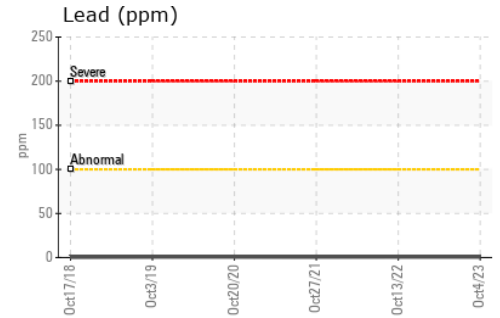
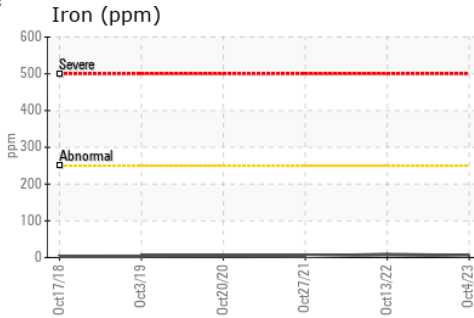
OIL ANALYSIS REPORT



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)	16.0	13.5	13.8

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0020567 **Received** : 11 Oct 2023
Lab Number : 02588211 **Diagnosed** : 11 Oct 2023
Unique Number : 5657277 **Diagnostician** : Wes Davis
Test Package : MOB 1

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 CA J0C 1K0
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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.