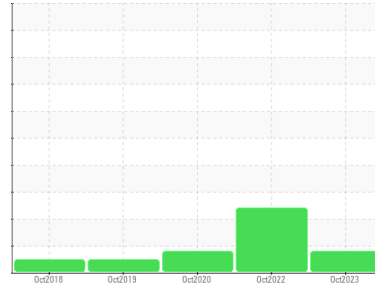


OIL ANALYSIS REPORT

Sample Rating Trend



FUEL



Area
DOUANES STAWDSTEAD [211367]
Machine Id
ONAN GD11780

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

Légère dilution de carburant dans l'huile. Aucun autre contaminant n'a été détecté 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	WA0020526	GD0005760	GD0004391
Sample Date	Client Info	10 Oct 2023	03 Oct 2022	19 Oct 2020
Machine Age	hrs	0	675	565
Oil Age	hrs	0	0	17
Oil Changed	Client Info	N/A	Changed	Changed
Sample Status		MARGINAL	ATTENTION	MARGINAL

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >100	2	2	1
Chromium	ppm ASTM D5185(m) >20	0	0	<1
Nickel	ppm ASTM D5185(m) >4	<1	<1	0
Titanium	ppm ASTM D5185(m)	0	<1	0
Silver	ppm ASTM D5185(m) >3	<1	0	<1
Aluminum	ppm ASTM D5185(m) >20	<1	<1	<1
Lead	ppm ASTM D5185(m) >40	<1	<1	<1
Copper	ppm ASTM D5185(m) >330	<1	<1	1
Tin	ppm ASTM D5185(m) >15	0	<1	<1
Antimony	ppm ASTM D5185(m)	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) 34	18	▲ 153	<1
Barium	ppm ASTM D5185(m) 0	<1	0	0
Molybdenum	ppm ASTM D5185(m) 70	53	▲ 8	59
Manganese	ppm ASTM D5185(m)	0	<1	<1
Magnesium	ppm ASTM D5185(m) 640	849	▲ 141	966
Calcium	ppm ASTM D5185(m) 1410	1141	▲ 1934	1019
Phosphorus	ppm ASTM D5185(m) 1020	985	998	999
Zinc	ppm ASTM D5185(m) 1170	1144	1073	1211
Sulfur	ppm ASTM D5185(m) 2930	2606	2852	2655
Lithium	ppm ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >25	4	4	3
Sodium	ppm ASTM D5185(m)	2	2	2
Potassium	ppm ASTM D5185(m) >20	<1	7	0
Fuel	% ASTM D7593* >5	▲ 4.1	▲ 3.7	▲ 3.4

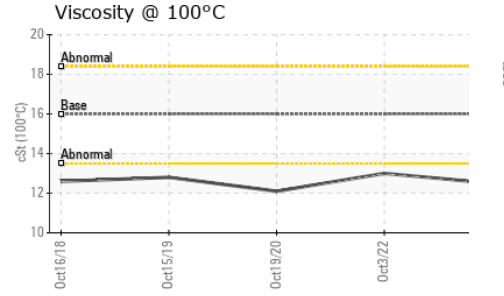
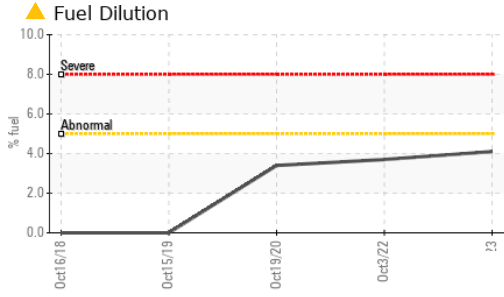
INFRA-RED

method	limit/base	current	history1	history2
Soot %	% ASTM D7844* >3	0	0	0
Nitration	Abs/cm ASTM D7624* >20	5.5	6.4	5.3
Sulfation	Abs/.1mm ASTM D7415* >30	18.4	20.9	18.1

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm ASTM D7414* >25	13.8	16.9	13.9

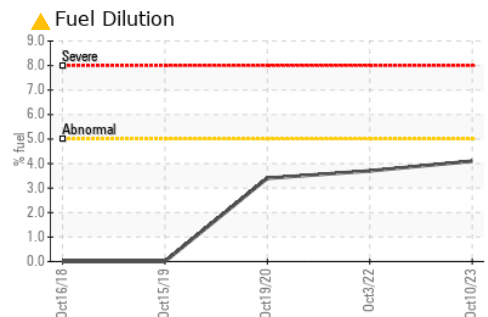
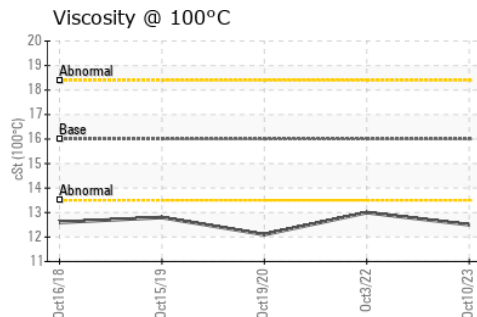
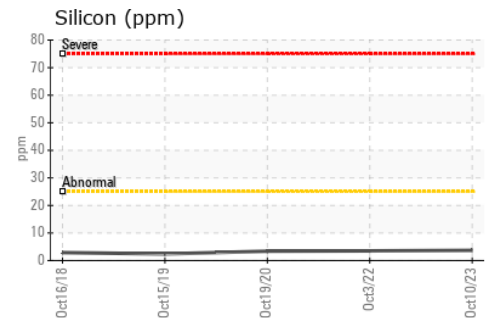
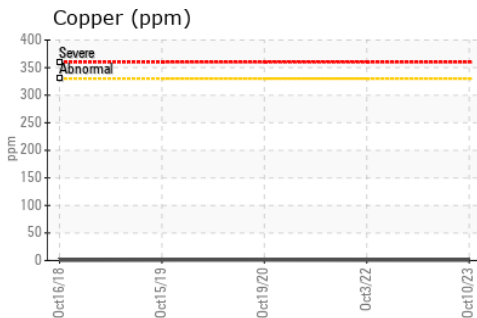
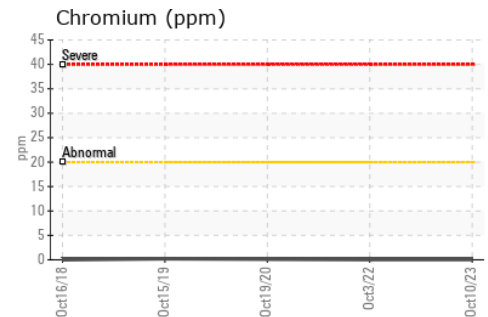
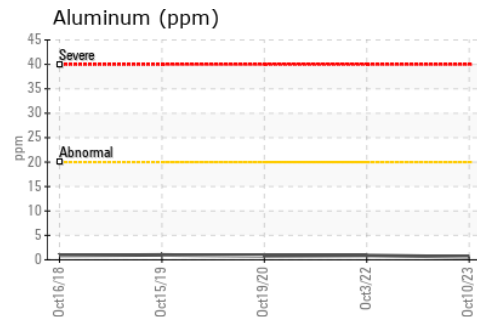
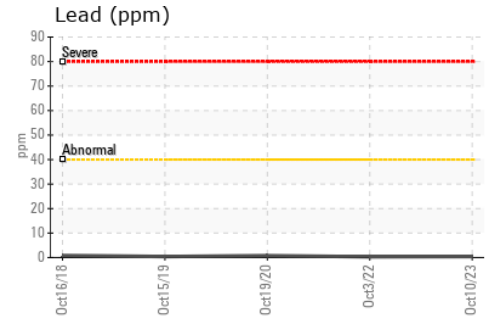
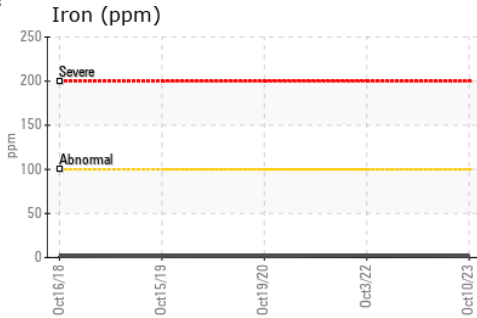
OIL ANALYSIS REPORT



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	12.5	13.0

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0020526 **Received** : 19 Oct 2023
Lab Number : 02590218 **Diagnosed** : 20 Oct 2023
Unique Number : 5659284 **Diagnostician** : Wes Davis
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

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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.