



OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
KUBOTA R540 WL0462
 Component
Diesel Engine
 Fluid
DISEL ENGINE OIL SAE 5W30 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.

Wear

All component wear rates are normal.

Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	GFL0082100	---	---
Sample Date	Client Info	11 Aug 2023	---	---
Machine Age	hrs Client Info	1547	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		NORMAL	---	---

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >100	4	---	---
Chromium	ppm ASTM D5185(m) >20	0	---	---
Nickel	ppm ASTM D5185(m) >4	0	---	---
Titanium	ppm ASTM D5185(m)	0	---	---
Silver	ppm ASTM D5185(m) >3	0	---	---
Aluminum	ppm ASTM D5185(m) >20	2	---	---
Lead	ppm ASTM D5185(m) >40	0	---	---
Copper	ppm ASTM D5185(m) >330	2	---	---
Tin	ppm ASTM D5185(m) >15	0	---	---
Antimony	ppm ASTM D5185(m)	0	---	---
Vanadium	ppm ASTM D5185(m)	0	---	---
Beryllium	ppm ASTM D5185(m)	0	---	---
Cadmium	ppm ASTM D5185(m)	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 250	61	---	---
Barium	ppm ASTM D5185(m) 10	0	---	---
Molybdenum	ppm ASTM D5185(m) 100	87	---	---
Manganese	ppm ASTM D5185(m)	0	---	---
Magnesium	ppm ASTM D5185(m) 450	27	---	---
Calcium	ppm ASTM D5185(m) 3000	2144	---	---
Phosphorus	ppm ASTM D5185(m) 1150	1098	---	---
Zinc	ppm ASTM D5185(m) 1350	1182	---	---
Sulfur	ppm ASTM D5185(m) 4250	3260	---	---
Lithium	ppm ASTM D5185(m)	<1	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >25	4	---	---
Sodium	ppm ASTM D5185(m)	2	---	---
Potassium	ppm ASTM D5185(m) >20	<1	---	---
Fuel	% ASTM D7593* >5	1.3	---	---

INFRA-RED

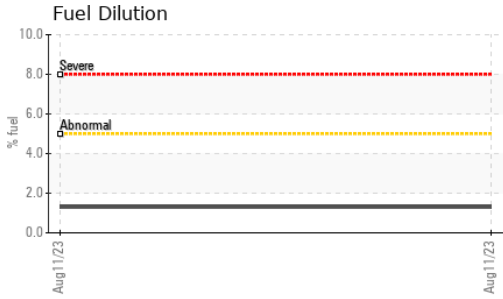
method	limit/base	current	history1	history2
Soot %	% ASTM D7844* >3	0	---	---
Nitration	Abs/cm ASTM D7624* >20	8.3	---	---
Sulfation	Abs/.1mm ASTM D7415* >30	19.2	---	---

FLUID DEGRADATION

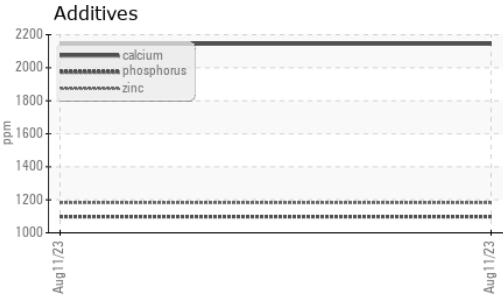
method	limit/base	current	history1	history2
Oxidation	Abs/.1mm ASTM D7414* >25	13.7	---	---



OIL ANALYSIS REPORT



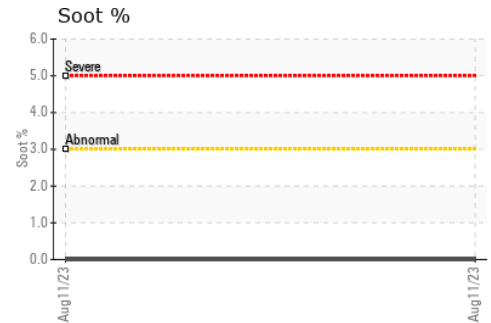
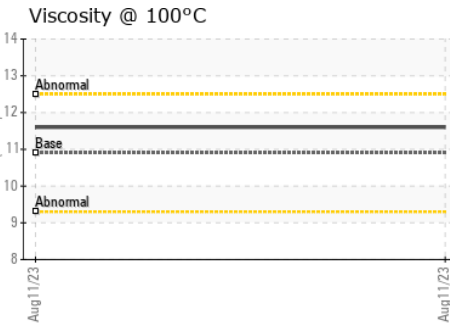
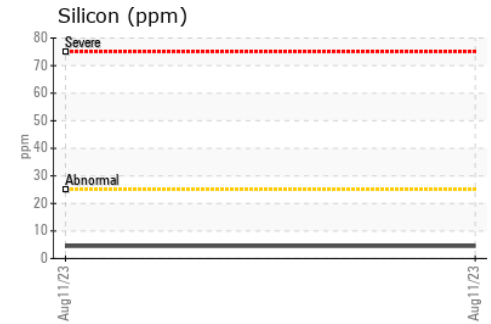
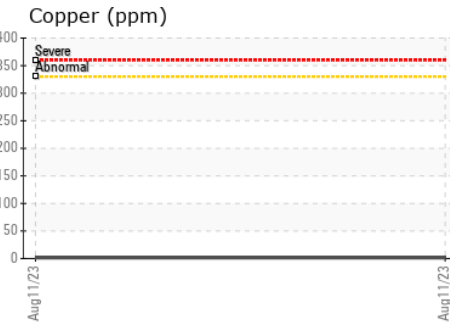
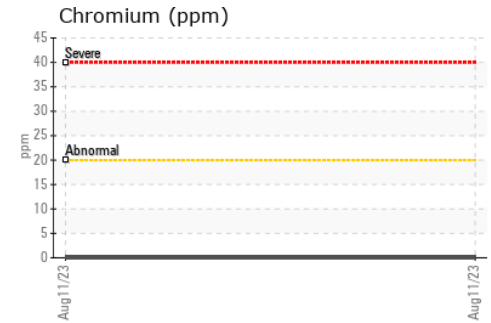
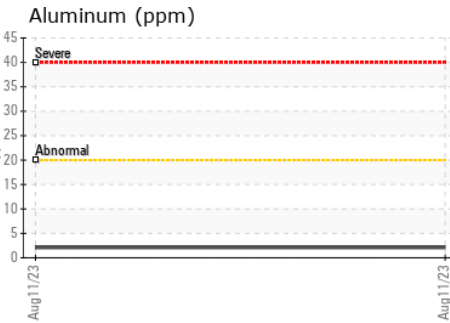
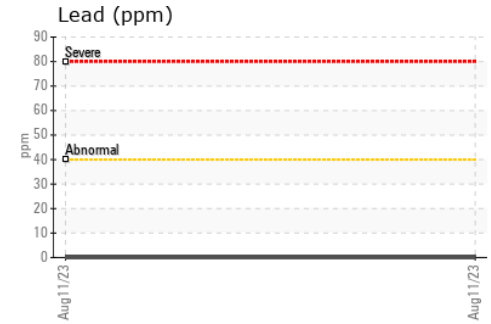
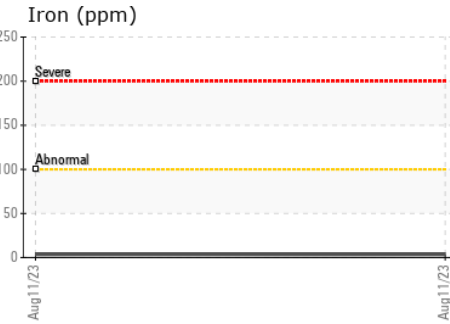
VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	11.6	---



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0082100 **Received** : 30 Aug 2023
Lab Number : 02579310 **Diagnosed** : 30 Aug 2023
Unique Number : 5632370 **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.