



OIL ANALYSIS REPORT

Sample Rating Trend

DEGRADATION



Machine Id
18-087514-4
 Component
Transmission
 Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

- Recommendation**
Please specify the brand, type, and viscosity of the oil on your next sample.
- Wear**
The lead level is abnormal. All other component wear rates are normal.
- Contamination**
The amount and size of particulates present in the system are acceptable.
- Fluid Condition**
The AN level is above the recommended limit.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0843145	---	---
Sample Date	Client Info	17 Aug 2023	---	---
Machine Age	hrs Client Info	400	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >200	0	---	---
Chromium ppm	ASTM D5185m >10	0	---	---
Nickel ppm	ASTM D5185m	0	---	---
Titanium ppm	ASTM D5185m	0	---	---
Silver ppm	ASTM D5185m	0	---	---
Aluminum ppm	ASTM D5185m >50	0	---	---
Lead ppm	ASTM D5185m >50	▲ 17396	---	---
Copper ppm	ASTM D5185m >200	75	---	---
Tin ppm	ASTM D5185m >10	0	---	---
Vanadium ppm	ASTM D5185m	0	---	---
Cadmium ppm	ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m	69	---	---
Barium ppm	ASTM D5185m	0	---	---
Molybdenum ppm	ASTM D5185m	0	---	---
Manganese ppm	ASTM D5185m	0	---	---
Magnesium ppm	ASTM D5185m	<1	---	---
Calcium ppm	ASTM D5185m	122	---	---
Phosphorus ppm	ASTM D5185m	214	---	---
Zinc ppm	ASTM D5185m	0	---	---
Sulfur ppm	ASTM D5185m	1382	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >50	2	---	---
Sodium ppm	ASTM D5185m	0	---	---
Potassium ppm	ASTM D5185m >20	0	---	---
Water %	ASTM D6304 >0.1	0.024	---	---
ppm Water ppm	ASTM D6304 >1000	249.6	---	---

FLUID CLEANLINESS

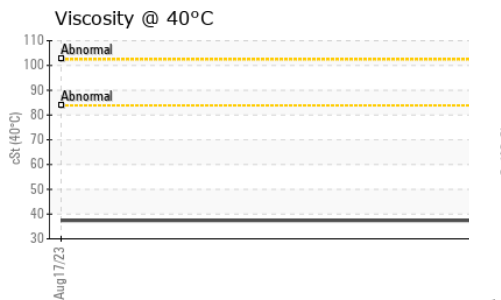
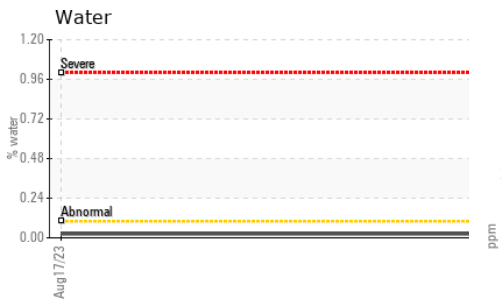
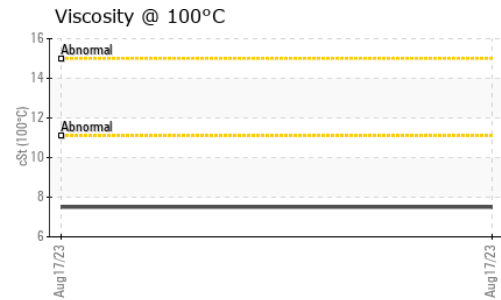
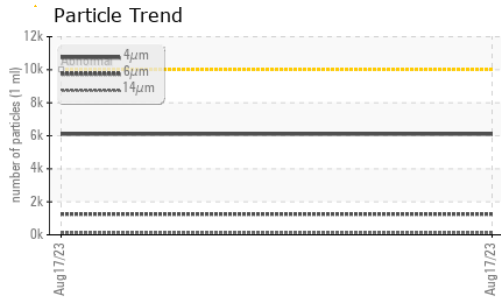
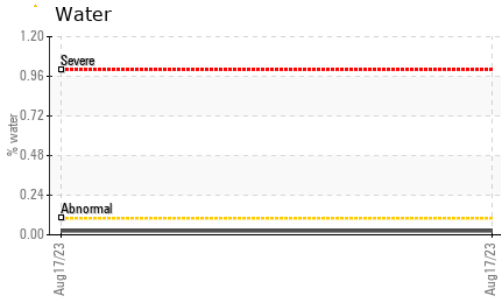
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	6103	---	---
Particles >6µm	ASTM D7647 >2500	1255	---	---
Particles >14µm	ASTM D7647 >320	122	---	---
Particles >21µm	ASTM D7647 >80	36	---	---
Particles >38µm	ASTM D7647 >20	1	---	---
Particles >71µm	ASTM D7647 >4	0	---	---
Oil Cleanliness	ISO 4406 (c) >20/18/15	20/17/14	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045	▲ 6.672	---	---



OIL ANALYSIS REPORT



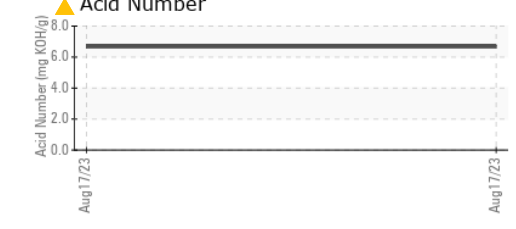
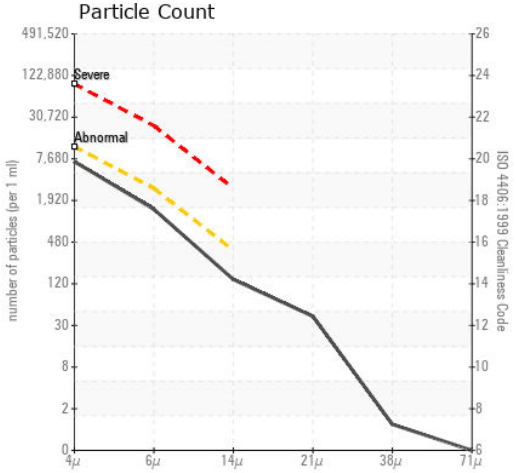
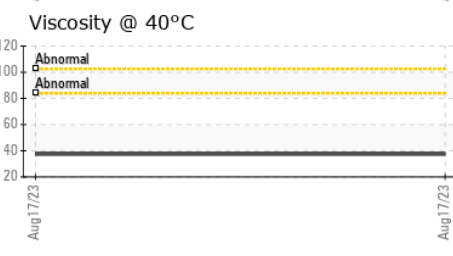
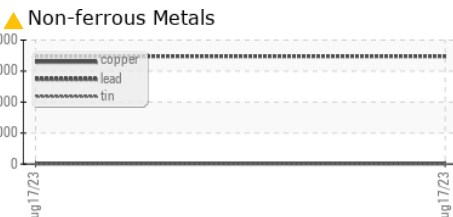
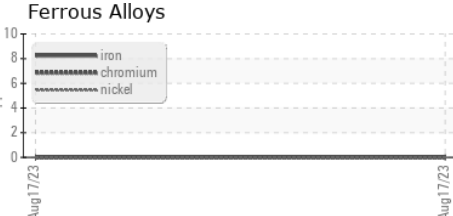
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	37.4	---	---
Visc @ 100°C	cSt	ASTM D445	7.5	---	---
Viscosity Index (VI)	Scale	ASTM D2270	172	---	---

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0843145 **Received** : 18 Aug 2023
Lab Number : 05928781 **Diagnosed** : 25 Aug 2023
Unique Number : 10608728 **Diagnostician** : Doug Bogart
Test Package : MOB 2 (Additional Tests: KF, KV100, PrtCount, VI)

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Certificate L2367
 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)