



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[L431780]
 Machine Id
BRADEN 0300416
 Component
Auxiliary Winch
 Fluid
GEAR OIL ISO 220 (--- GAL)



DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor.

Wear
 All component wear rates are normal.

Contamination
 There is no indication of any contamination in the oil.

Fluid Condition
 The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0825756	---	---
Sample Date	Client Info	15 Jul 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		NORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>150	87	---	---
Chromium ppm ASTM D5185m	>10	0	---	---
Nickel ppm ASTM D5185m	>10	0	---	---
Titanium ppm ASTM D5185m		<1	---	---
Silver ppm ASTM D5185m		0	---	---
Aluminum ppm ASTM D5185m	>25	2	---	---
Lead ppm ASTM D5185m	>100	0	---	---
Copper ppm ASTM D5185m	>50	9	---	---
Tin ppm ASTM D5185m	>10	0	---	---
Vanadium ppm ASTM D5185m		<1	---	---
Cadmium ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	50	6	---	---
Barium ppm ASTM D5185m	15	0	---	---
Molybdenum ppm ASTM D5185m	15	0	---	---
Manganese ppm ASTM D5185m		1	---	---
Magnesium ppm ASTM D5185m	50	0	---	---
Calcium ppm ASTM D5185m	50	5	---	---
Phosphorus ppm ASTM D5185m	350	216	---	---
Zinc ppm ASTM D5185m	100	62	---	---
Sulfur ppm ASTM D5185m	12500	11333	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>50	21	---	---
Sodium ppm ASTM D5185m		2	---	---
Potassium ppm ASTM D5185m	>20	0	---	---

FLUID DEGRADATION

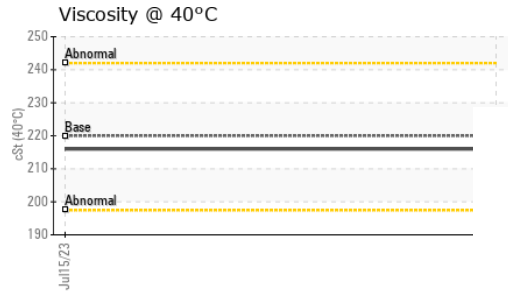
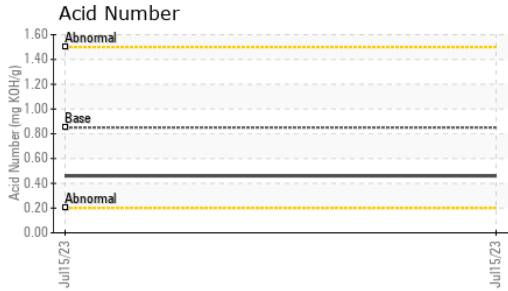
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	0.85	0.46	---	---

VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	MODER	---	---
Yellow Metal scalar *Visual	NONE	NONE	---	---
Precipitate scalar *Visual	NONE	NONE	---	---
Silt scalar *Visual	NONE	NONE	---	---
Debris scalar *Visual	NONE	NONE	---	---
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	---	---



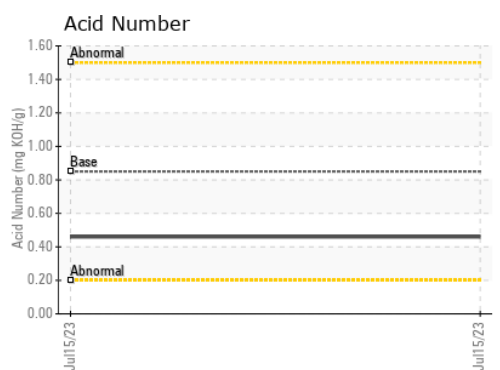
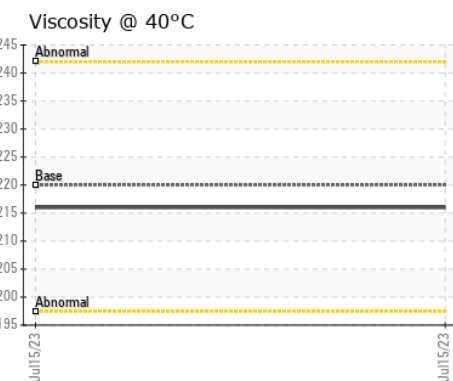
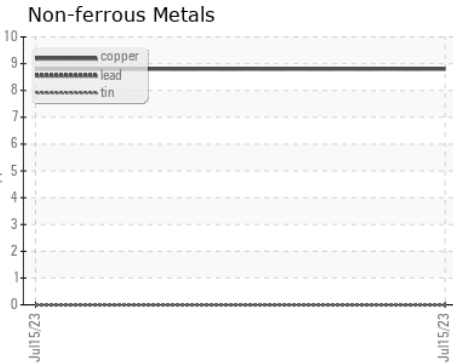
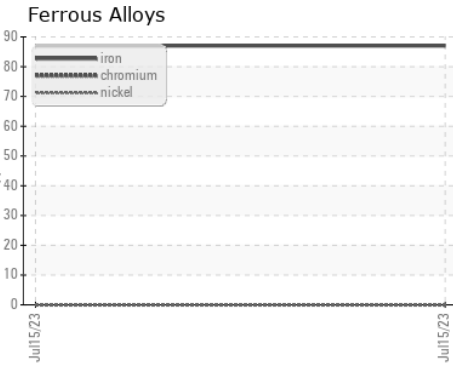
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	216	---	---

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. : WC0825756 **Received** : 11 Aug 2023
Lab Number : **05922876** **Diagnosed** : 14 Aug 2023
Unique Number : 10602823 **Diagnostician** : Angela Borella
Test Package : IND 2

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 LAFAYETTE, LA
 US 70506
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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)