



OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
BAD EXTRA DUTY 68

Component
New (Unused) Oil
Fluid
{not provided} (--- GAL)

DIAGNOSIS

▲ Recommendation

This is a baseline read-out on the submitted sample. We advise that you check for the source of water entry.

▲ Contamination

There is a moderate concentration of water present in the oil. Test for glycol is negative.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC05902726	---	---
Sample Date	Client Info		18 Jul 2023	---	---
Machine Age	hrs	Client Info	0	---	---
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	23	---	---
Chromium	ppm	ASTM D5185m	<1	---	---
Nickel	ppm	ASTM D5185m	<1	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m	4	---	---
Lead	ppm	ASTM D5185m	12	---	---
Copper	ppm	ASTM D5185m	4	---	---
Tin	ppm	ASTM D5185m	<1	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	<1	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	65	---	---
Barium	ppm	ASTM D5185m	0	---	---
Molybdenum	ppm	ASTM D5185m	0	---	---
Manganese	ppm	ASTM D5185m	<1	---	---
Magnesium	ppm	ASTM D5185m	<1	---	---
Calcium	ppm	ASTM D5185m	2	---	---
Phosphorus	ppm	ASTM D5185m	304	---	---
Zinc	ppm	ASTM D5185m	22	---	---
Sulfur	ppm	ASTM D5185m	6656	---	---

CONTAMINANTS

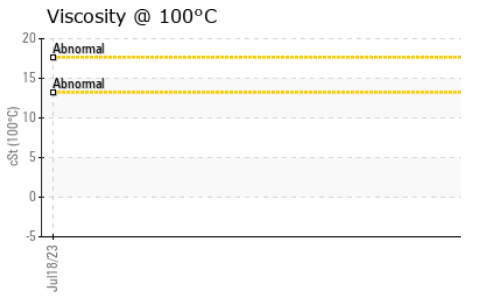
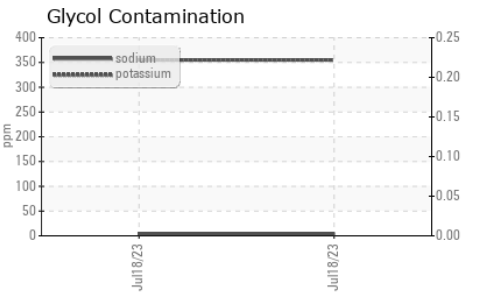
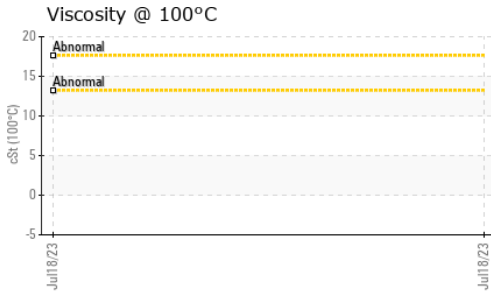
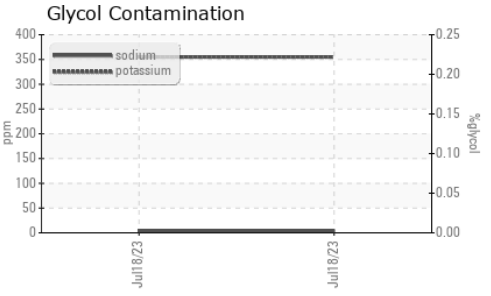
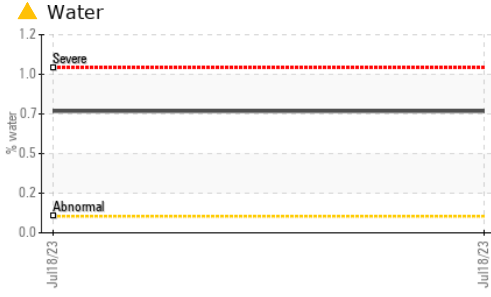
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1	---	---
Sodium	ppm	ASTM D5185m	4	---	---
Potassium	ppm	ASTM D5185m >20	355	---	---
Water	%	ASTM D6304	▲ 0.737	---	---
ppm Water	ppm	ASTM D6304	▲ 7370	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.76	---	---



OIL ANALYSIS REPORT



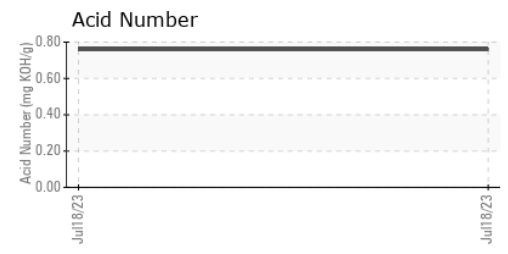
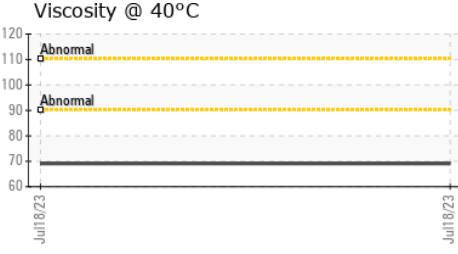
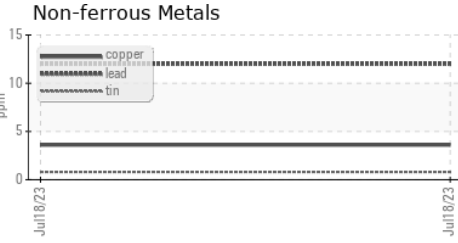
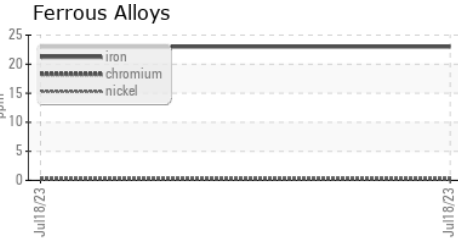
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	▲ MODER	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	▲ HAZY	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	▲ 0.2%	---	---
Free Water	scalar	*Visual	NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	69.1	---	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC05902726 **Received** : 19 Jul 2023
Lab Number : 05902726 **Diagnosed** : 19 Jul 2023
Unique Number : 10564082 **Diagnostician** : Doug Bogart

HUTCHENS PETROLEUM
 22 PERFORMANCE DR
 STUART, VA
 US 24171

Certificate L2367 **Test Package** : MOB 2 (Additional Tests: FT-IR, Glycol, ICP-NewOil, KF, KV100, PrtCount, VI) **Contact:** DEBRA WALKER
 To discuss this sample report, contact Customer Service at 1-800-237-1369. **debra.walker@thehreteam.com**
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. **T: (800)537-7433**
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) **F: (276)694-3382**