



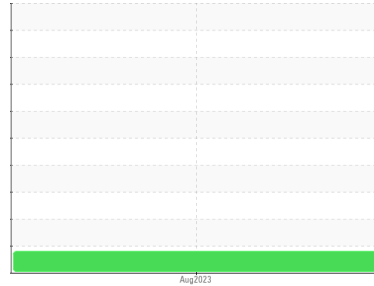
PROBLEM SUMMARY

Sample Rating Trend

ISO

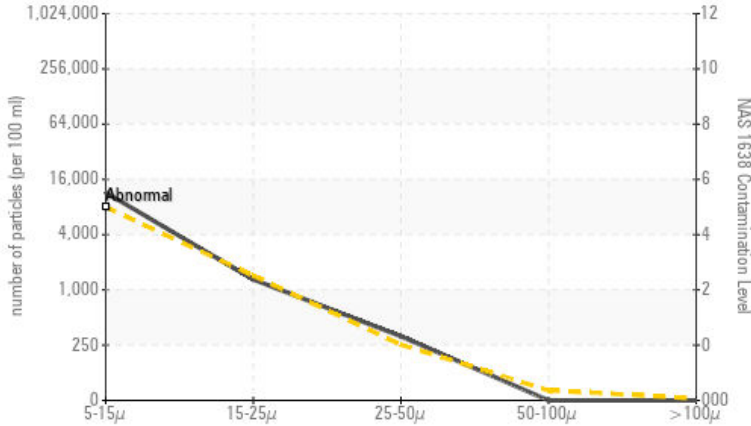


Area
37372 (TRACE PO 36471)
 Machine Id
JP8TS0001-08142023A
 Component
Hydraulic System
 Fluid
JP8 MIL-DTL-83133 (--- GAL)



COMPONENT CONDITION SUMMARY

▲ Particle Count



RECOMMENDATION

No corrective action is recommended at this time.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	---	---
Particles 5-15µm	count	*NAS 1638	>8000	▲ 11500	---	---
Particles 25-50µm	count	*NAS 1638	>253	▲ 312	---	---

Customer Id: RIDHAM
 Sample No.: WC05926949
 Lab Number: 05926949
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



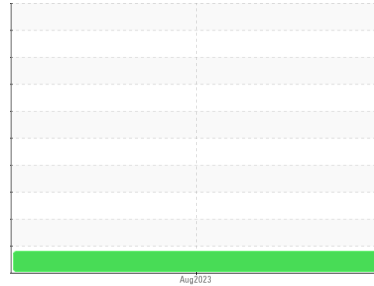
OIL ANALYSIS REPORT

Sample Rating Trend

ISO



Area
37372 (TRACE PO 36471)
 Machine Id
JP8TS0001-08142023A
 Component
Hydraulic System
 Fluid
JP8 MIL-DTL-83133 (--- GAL)



DIAGNOSIS

- Recommendation**
No corrective action is recommended at this time.
- Wear**
All component wear rates are normal.
- Contamination**
There is a moderate amount of particulates present in the oil. The system cleanliness is above the acceptable limit for the target SAE AS4059 (replaces NAS 1638) cleanliness code.
- Fluid Condition**
The AN level is acceptable for this fluid.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC05926949	---	---
Sample Date	Client Info	15 Aug 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ATTENTION	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >20	0	---	---
Chromium	ppm ASTM D5185m >20	0	---	---
Nickel	ppm ASTM D5185m >20	0	---	---
Titanium	ppm ASTM D5185m	0	---	---
Silver	ppm ASTM D5185m	0	---	---
Aluminum	ppm ASTM D5185m >20	0	---	---
Lead	ppm ASTM D5185m >20	0	---	---
Copper	ppm ASTM D5185m >20	0	---	---
Tin	ppm ASTM D5185m >20	0	---	---
Vanadium	ppm ASTM D5185m	0	---	---
Cadmium	ppm ASTM D5185m	0	---	---

ADDITIVES

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

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >15	<1	---	---
Sodium	ppm ASTM D5185m	0	---	---
Potassium	ppm ASTM D5185m >20	<1	---	---
Water	% ASTM D6304 >0.05	0.003	---	---
ppm Water	ppm ASTM D6304 >500	29.7	---	---

FLUID CLEANLINESS

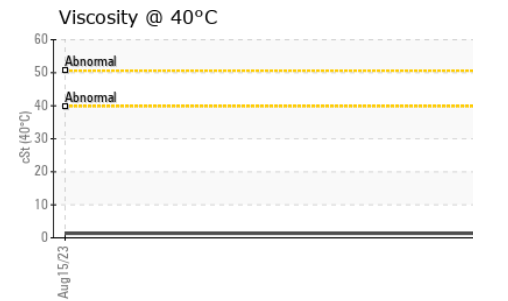
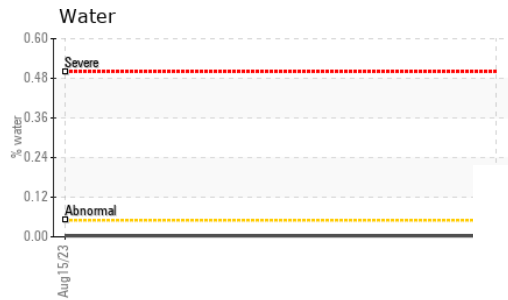
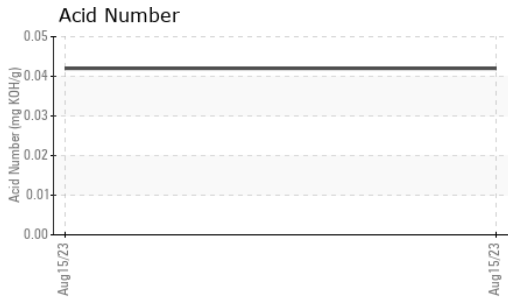
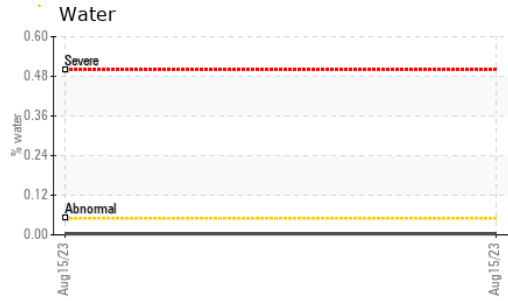
method	limit/base	current	history1	history2
Particles 5-15µm	count *NAS 1638 >8000	▲ 11500	---	---
Particles 15-25µm	count *NAS 1638 >1425	1299	---	---
Particles 25-50µm	count *NAS 1638 >253	▲ 312	---	---
Particles 50-100µm	count *NAS 1638 >45	0	---	---
Particles >100µm	count *NAS 1638 >8	0	---	---
NAS 1638	Class *NAS 1638 >5	6	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	0.042	---	---



OIL ANALYSIS REPORT



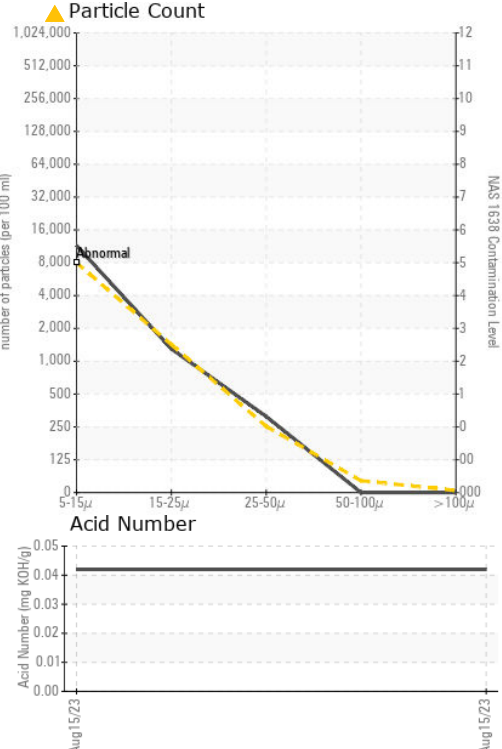
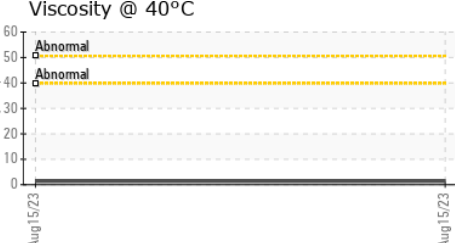
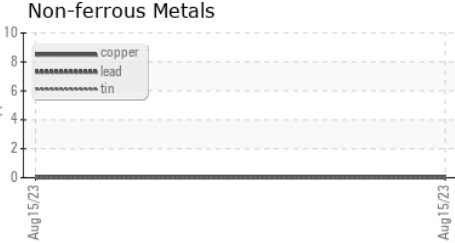
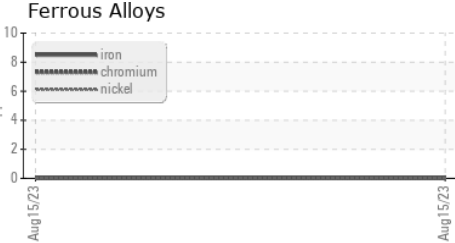
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.05	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	1.36	---	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC05926949 **Received** : 16 Aug 2023
Lab Number : 05926949 **Diagnosed** : 22 Aug 2023
Unique Number : 10606896 **Diagnostician** : Doug Bogart
Test Package : IND 2 (Additional Tests: KF, PrtCountNAS)

RIDGE ENGINEERING
 3987 HAMPSTEAD-MEXICO RD
 HAMPSTEAD, MD
 US 21074
 Contact: BETHANY HUGHES*
 bethany@ridgeeng.com

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)

T:
F: