



PROBLEM SUMMARY

Sample Rating Trend



ISO



Machine Id

USS INDY

Component

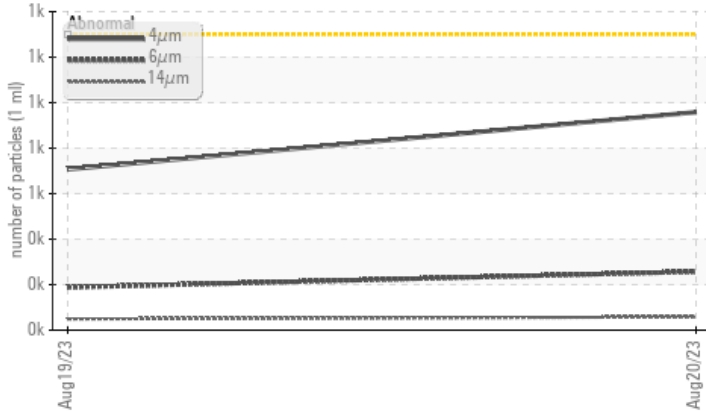
Hydraulic System

Fluid

MOBIL HYDRAULIC OIL AW 46 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

No corrective action is recommended at this time.
Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	ATTENTION	---
Particles >14µm	ASTM D7647	>40	▲ 58	▲ 49	---
Particles >21µm	ASTM D7647	>10	▲ 19	▲ 20	---
Oil Cleanliness	ISO 4406 (c)	>17/15/12	▲ 17/15/13	▲ 17/15/13	---

PrtFilter



Customer Id: HYDJAC
 Sample No.: PH0001019
 Lab Number: 05934869
 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@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

19 Aug 2023 Diag: Jonathan Hester

ISO



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report





OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id

USS INDY

Component

Hydraulic System

Fluid

MOBIL HYDRAULIC OIL AW 46 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates present 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	PH0001019	PH0001034	---
Sample Date	Client Info	20 Aug 2023	19 Aug 2023	---
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	---
Sample Status		ATTENTION	ATTENTION	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	0	0
Chromium	ppm	ASTM D5185m >20	0	0
Nickel	ppm	ASTM D5185m >20	0	0
Titanium	ppm	ASTM D5185m	0	0
Silver	ppm	ASTM D5185m	0	<1
Aluminum	ppm	ASTM D5185m >20	0	0
Lead	ppm	ASTM D5185m >20	0	0
Copper	ppm	ASTM D5185m >20	<1	0
Tin	ppm	ASTM D5185m >20	0	0
Vanadium	ppm	ASTM D5185m	0	0
Cadmium	ppm	ASTM D5185m	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0
Barium	ppm	ASTM D5185m	0	0
Molybdenum	ppm	ASTM D5185m	0	0
Manganese	ppm	ASTM D5185m	0	0
Magnesium	ppm	ASTM D5185m	<1	<1
Calcium	ppm	ASTM D5185m	55	52
Phosphorus	ppm	ASTM D5185m	265	295
Zinc	ppm	ASTM D5185m	322	391
Sulfur	ppm	ASTM D5185m	1837	2089

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	1	2
Sodium	ppm	ASTM D5185m	0	0
Potassium	ppm	ASTM D5185m >20	<1	<1

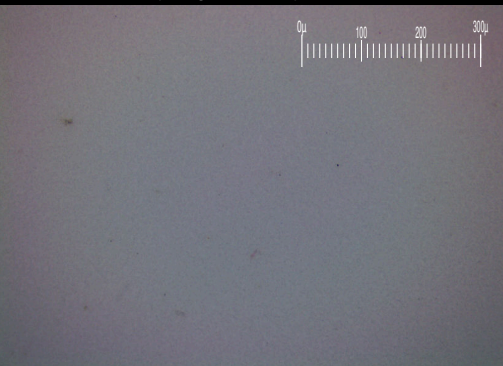
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >1300	958	707	---
Particles >6µm	ASTM D7647 >320	257	188	---
Particles >14µm	ASTM D7647 >40	▲ 58	▲ 49	---
Particles >21µm	ASTM D7647 >10	▲ 19	▲ 20	---
Particles >38µm	ASTM D7647 >3	1	1	---
Particles >71µm	ASTM D7647 >3	0	0	---
Oil Cleanliness	ISO 4406 (c) >17/15/12	▲ 17/15/13	▲ 17/15/13	---

FLUID DEGRADATION

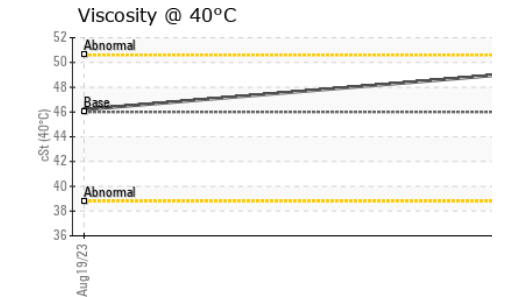
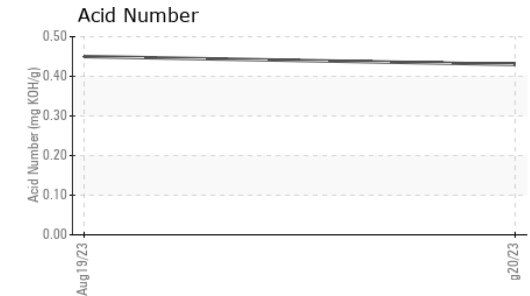
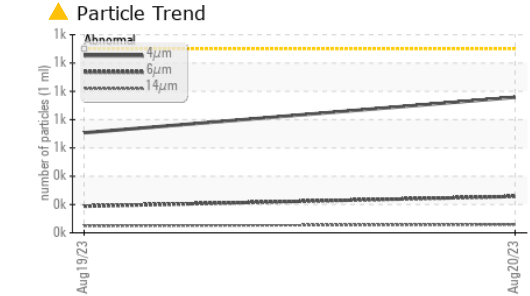
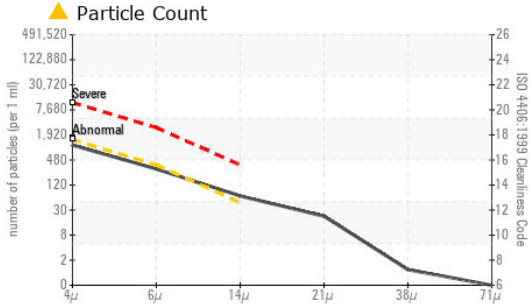
method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.43	0.45

Particle Filter (Magn: 200 x)





OIL ANALYSIS REPORT



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PH0001019 **Received** : 25 Aug 2023
Lab Number : 05934869 **Diagnosed** : 29 Aug 2023
Unique Number : 10620140 **Diagnostician** : Jonathan Hester
Test Package : PLANT (Additional Tests: PrtFilter)

HYDRODYNE LLC
 3919 PHILLIPS HWY
 JACKSONVILLE, FL
 US 32207
 Contact: Service Manager

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)

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 46	49.1	46.2	---

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

GRAPHS

