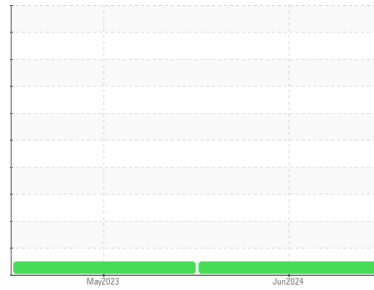




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
MANTOLOKING WEST
 Component
Hydraulic System
 Fluid
MOBIL DTE 24 (325 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. The amount and size of particulates present in the system are acceptable.

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			PH0003938	PH0000261	---
Sample Date	Client Info			11 Jun 2024	23 May 2023	---
Machine Age	hrs	Client Info		1100	0	---
Oil Age	hrs	Client Info		1100	925	---
Oil Changed	Client Info			Changed	Not Changd	---
Sample Status				NORMAL	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.05	NEG	NEG	---

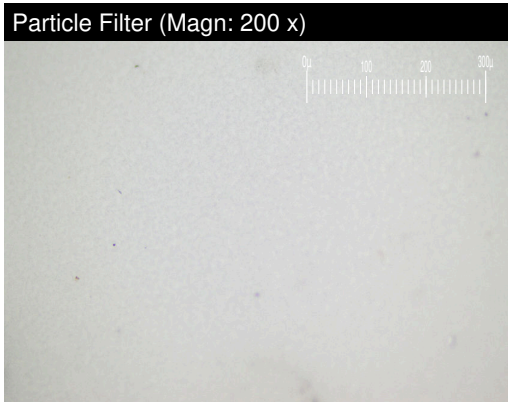
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	1	<1	---
Chromium	ppm	ASTM D5185m	>20	<1	0	---
Nickel	ppm	ASTM D5185m	>20	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>20	2	<1	---
Lead	ppm	ASTM D5185m	>20	<1	0	---
Copper	ppm	ASTM D5185m	>20	2	1	---
Tin	ppm	ASTM D5185m	>20	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
Cadmium	ppm	ASTM D5185m		<1	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		<1	0	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		2	<1	---
Calcium	ppm	ASTM D5185m		119	134	---
Phosphorus	ppm	ASTM D5185m		423	469	---
Zinc	ppm	ASTM D5185m		699	722	---
Sulfur	ppm	ASTM D5185m		5519	6660	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	<1	---
Sodium	ppm	ASTM D5185m		5	7	---
Potassium	ppm	ASTM D5185m	>20	2	0	---

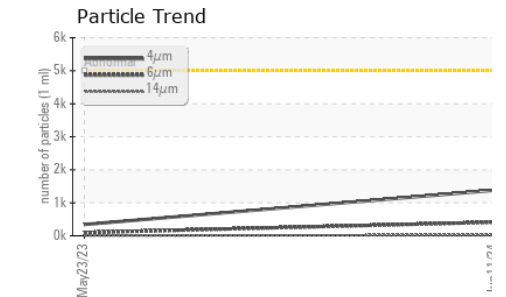
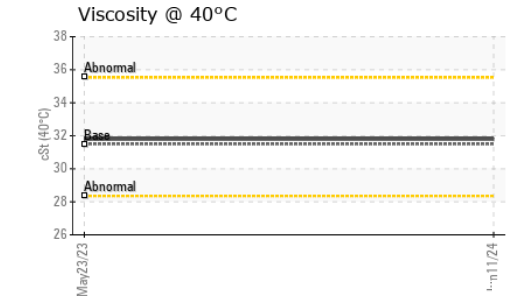
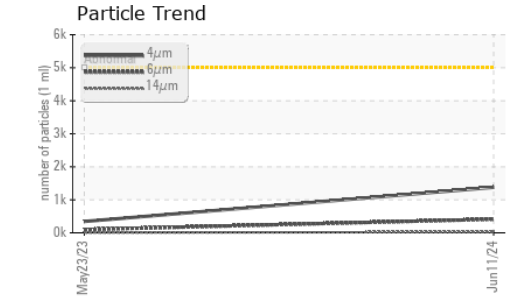
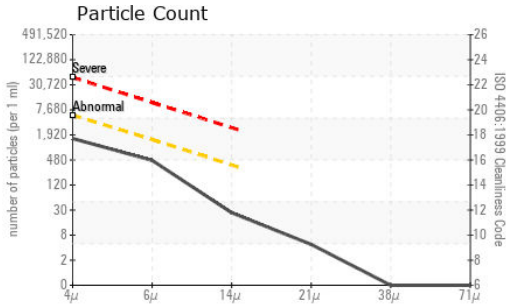
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1379	344	---
Particles >6µm		ASTM D7647	>1300	412	98	---
Particles >14µm		ASTM D7647	>320	23	6	---
Particles >21µm		ASTM D7647	>80	4	2	---
Particles >38µm		ASTM D7647	>20	0	0	---
Particles >71µm		ASTM D7647	>4	0	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/15	18/16/12	16/14/10	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.86	0.78	---





OIL ANALYSIS REPORT



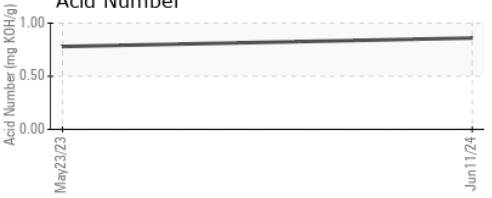
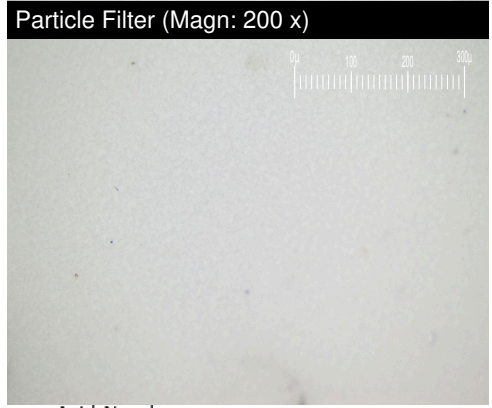
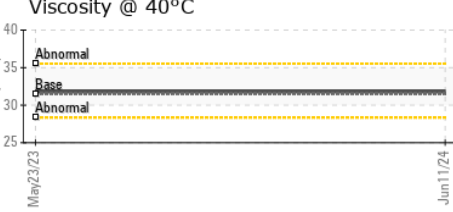
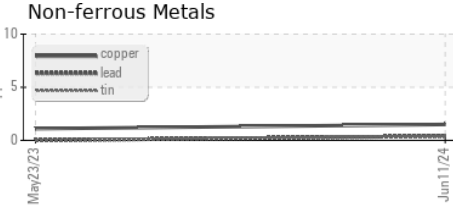
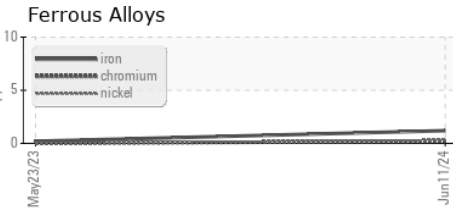
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	31.5	31.8	31.8	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PH0003938 **Received** : 18 Jun 2024
Lab Number : 06213433 **Tested** : 21 Jun 2024
Unique Number : 11086297 **Diagnosed** : 21 Jun 2024 - Jonathan Hester
Test Package : PLANT (Additional Tests: PrtFilter)

ATLANTIC HYDRAULIC SYSTEMS
 90 PRECISION DR
 SHIRLEY, NY
 US 11967
 Contact: JOHN HERNANDEZ

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)