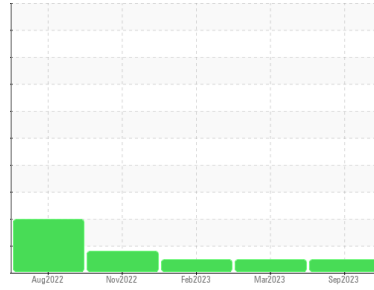




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
[778420]
 Machine Id
TPX-6
 Component
Hydraulic System
 Fluid
CONOCO MEGAFLOW AW 46 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. 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	WC0739953	WC0739950	WC0744081	
Sample Date	Client Info	19 Sep 2023	31 Mar 2023	28 Feb 2023	
Machine Age	hrs	Client Info	1825	10472	10440
Oil Age	hrs	Client Info	200	0	10440
Oil Changed	Client Info	Not Changed	Not Changd	N/A	
Sample Status		NORMAL	NORMAL	NORMAL	

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >20	5	4	5
Chromium	ppm	ASTM D5185m >10	<1	0	<1
Nickel	ppm	ASTM D5185m >10	<1	0	<1
Titanium	ppm	ASTM D5185m	<1	0	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >10	3	0	<1
Lead	ppm	ASTM D5185m >20	5	4	5
Copper	ppm	ASTM D5185m >20	26	23	24
Tin	ppm	ASTM D5185m >10	2	1	1
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	0	<1
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	6	7	8
Calcium	ppm	ASTM D5185m	81	82	82
Phosphorus	ppm	ASTM D5185m	339	353	341
Zinc	ppm	ASTM D5185m	407	414	430
Sulfur	ppm	ASTM D5185m	1986	1926	2334

CONTAMINANTS

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

FLUID CLEANLINESS

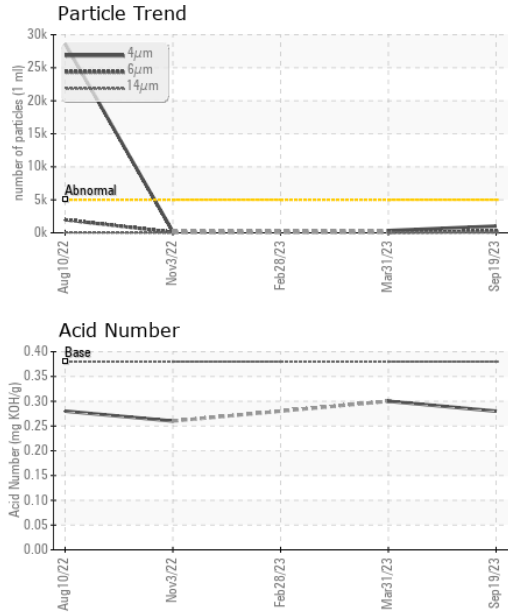
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	1017	343	---
Particles >6µm	ASTM D7647 >1300	207	114	---
Particles >14µm	ASTM D7647 >160	39	17	---
Particles >21µm	ASTM D7647 >40	22	4	---
Particles >38µm	ASTM D7647 >10	5	0	---
Particles >71µm	ASTM D7647 >3	1	0	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	17/15/12	16/14/11	---

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045 0.38	0.28	0.30	---



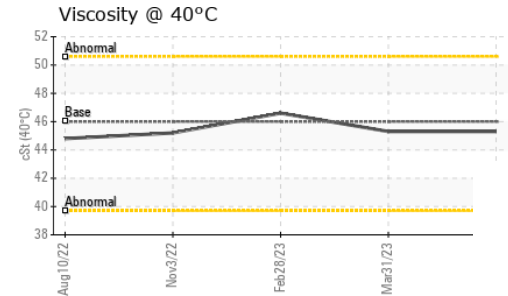
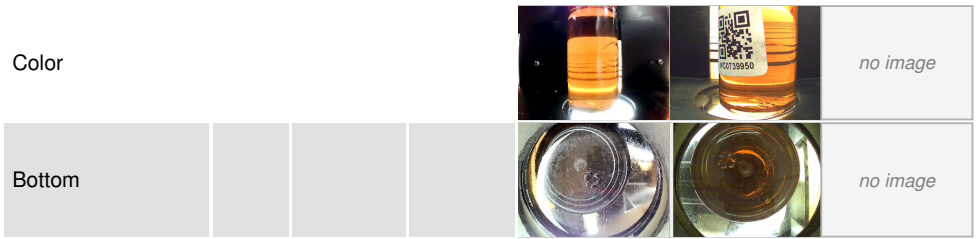
OIL ANALYSIS REPORT



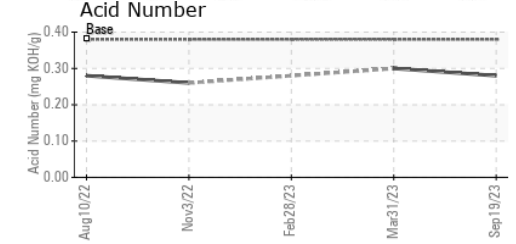
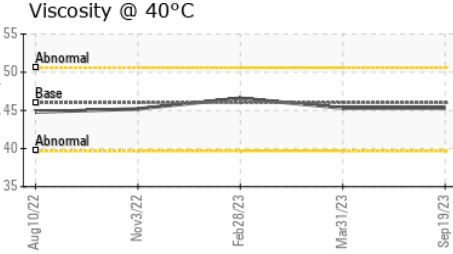
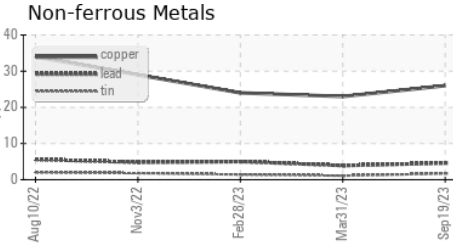
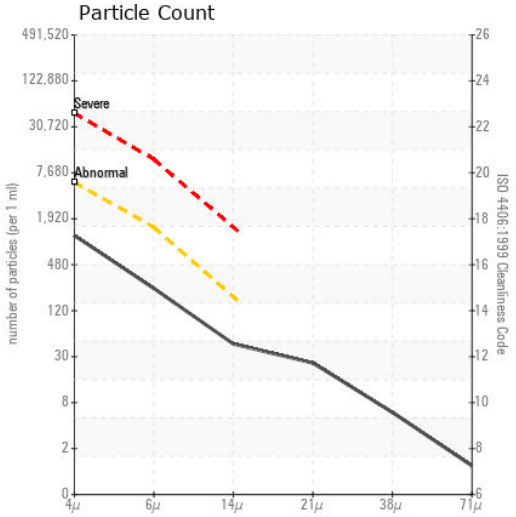
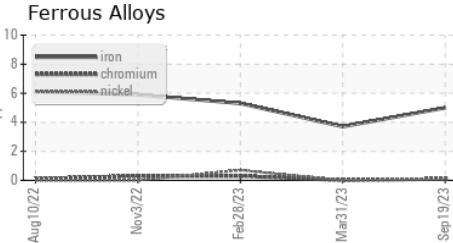
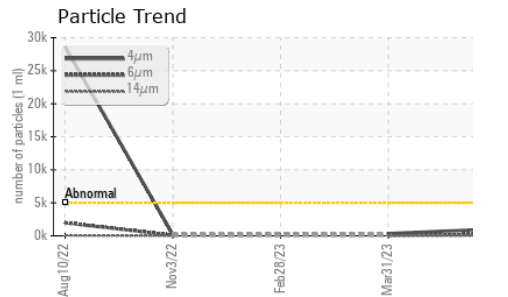
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	45.3	45.3	46.6

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0739953 **Received** : 26 Sep 2023
Lab Number : **05961738** **Diagnosed** : 28 Sep 2023
Unique Number : 10668289 **Diagnostician** : Don Baldrige
Test Package : MOB 2

AES USA - EVERETT
 3003 W CASINO RD BLDG 40-26 DR S2
 EVERETT, WA
 US 98204-1910
 Contact: TIM FELLER
 tim.feller@aes-gse.com
 T: (425)266-4649
 F:

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)