



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

Machine Id
26144
Component
Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 68 (--- QTS)

RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

WEAR

All component wear rates are normal.

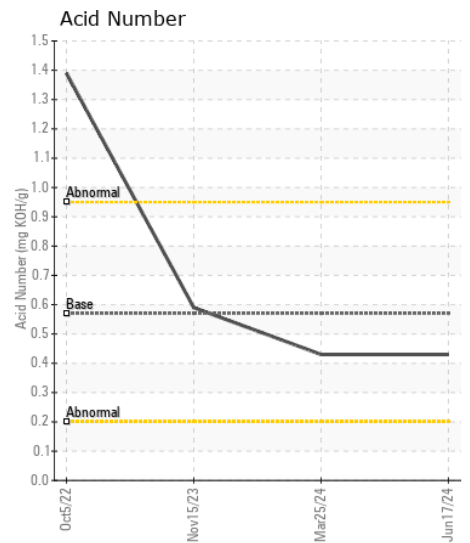
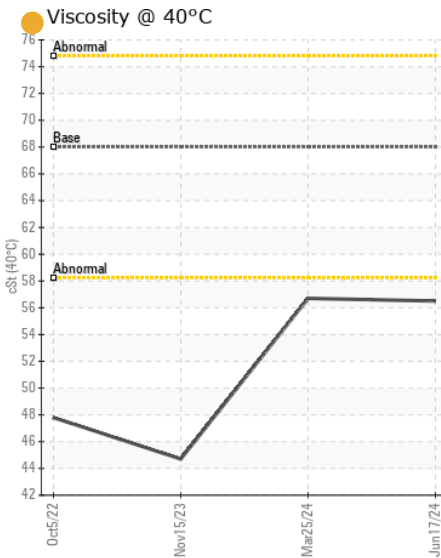
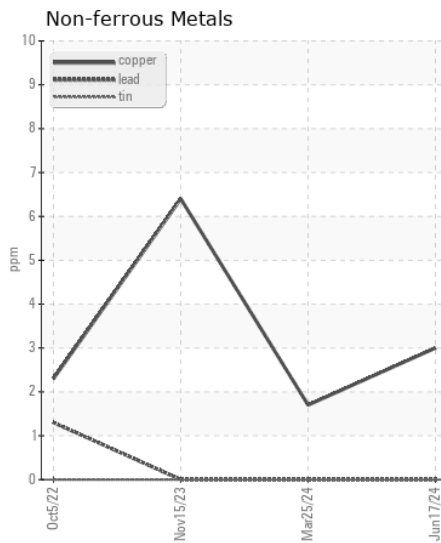
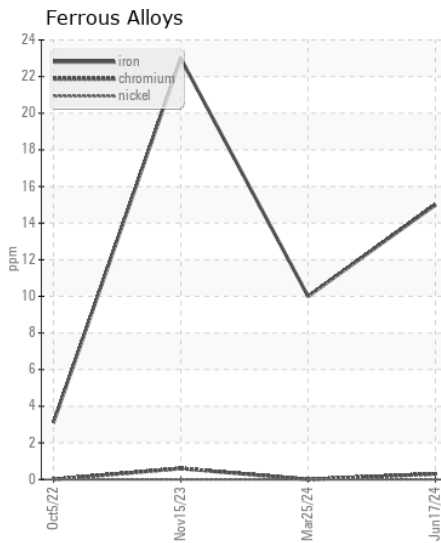
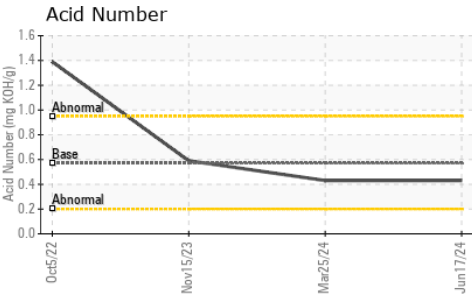
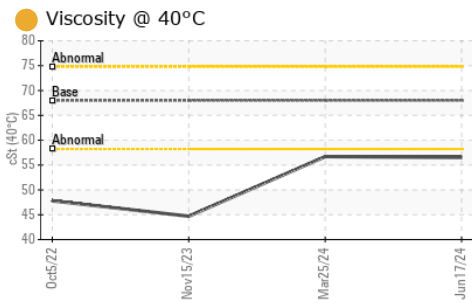
CONTAMINATION

Moderate concentration of visible dirt/debris present in the oil.

FLUID CONDITION

The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0950766	WC0913648	WC0857029
Sample Date		Client Info		17 Jun 2024	25 Mar 2024	15 Nov 2023
Machine Age	hrs	Client Info		2793	2352	1854
Oil Age	hrs	Client Info		1000	500	2000
Filter Age	hrs	Client Info		1000	500	2000
Oil Changed		Client Info		Not Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>20	15	10	23
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	1	3
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	3	2	6
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	4	2	5
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	---	▲ 63587	▲ 10884
Particles >6µm		ASTM D7647	>1300	---	▲ 26144	▲ 4114
Particles >14µm		ASTM D7647	>160	---	▲ 1426	▲ 454
Particles >21µm		ASTM D7647	>40	---	▲ 78	▲ 122
Particles >38µm		ASTM D7647	>10	---	1	4
Particles >71µm		ASTM D7647	>3	---	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	---	▲ 23/22/18	▲ 21/19/16
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		0	<1	1
Boron	ppm	ASTM D5185m	5	4	2	<1
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	2	1	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	25	22	13	0
Calcium	ppm	ASTM D5185m	200	81	85	135
Phosphorus	ppm	ASTM D5185m	300	393	381	501
Zinc	ppm	ASTM D5185m	370	501	480	643
Sulfur	ppm	ASTM D5185m	2500	982	1097	1273
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.43	0.43	0.59
Visc @ 40°C	cSt	ASTM D445	68	56.5	56.7	44.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0950766

Lab Number : 06214563

Unique Number : 11087427

Test Package : CONST

Received : 19 Jun 2024

Tested : 21 Jun 2024

Diagnosed : 21 Jun 2024 - Don Baldrige

SULLIVAN EASTERN INC

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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)