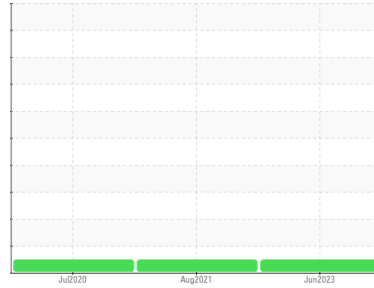




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
SMEAL 911

Component
Hydraulic System

Fluid
AW HYDRAULIC OIL ISO 32 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0826478	WC0591073	WC0482940
Sample Date	Client Info	30 Jun 2023	23 Aug 2021	10 Jul 2020
Machine Age	hrs	Client Info	0	1788
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	Not Chngd	Not Chngd	N/A
Sample Status		NORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	2	2
Chromium	ppm	ASTM D5185m >10	0	<1
Nickel	ppm	ASTM D5185m >10	<1	0
Titanium	ppm	ASTM D5185m	0	0
Silver	ppm	ASTM D5185m	0	0
Aluminum	ppm	ASTM D5185m >10	<1	<1
Lead	ppm	ASTM D5185m >10	<1	2
Copper	ppm	ASTM D5185m >75	12	12
Tin	ppm	ASTM D5185m >10	0	0
Antimony	ppm	ASTM D5185m	---	0
Vanadium	ppm	ASTM D5185m	0	0
Cadmium	ppm	ASTM D5185m	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 5	0	3
Barium	ppm	ASTM D5185m 5	3	<1
Molybdenum	ppm	ASTM D5185m 5	0	<1
Manganese	ppm	ASTM D5185m	0	<1
Magnesium	ppm	ASTM D5185m 25	4	4
Calcium	ppm	ASTM D5185m 200	89	101
Phosphorus	ppm	ASTM D5185m 300	363	401
Zinc	ppm	ASTM D5185m 370	403	406
Sulfur	ppm	ASTM D5185m 2500	2030	2485

CONTAMINANTS

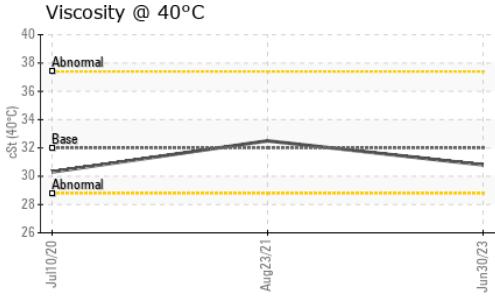
method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<1	2
Sodium	ppm	ASTM D5185m	<1	3
Potassium	ppm	ASTM D5185m >20	<1	17

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	LIGHT
Sand/Dirt	scalar	*Visual NONE	NONE	NONE
Appearance	scalar	*Visual NORML	NORML	NORML
Odor	scalar	*Visual NORML	NORML	NORML
Emulsified Water	scalar	*Visual >0.1	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG



OIL ANALYSIS REPORT

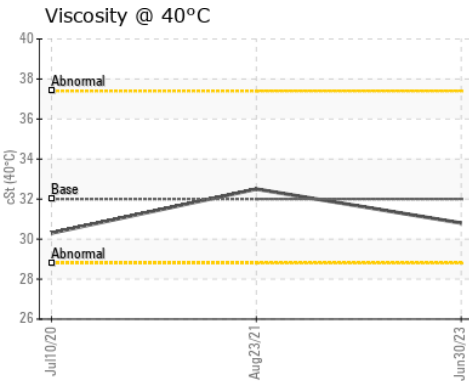
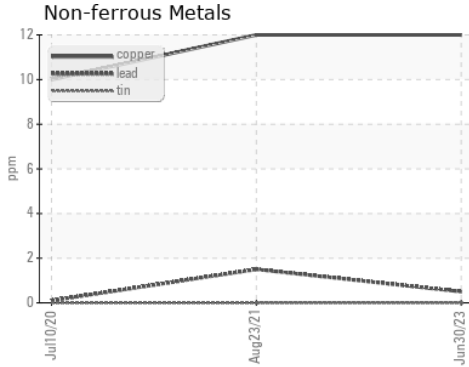
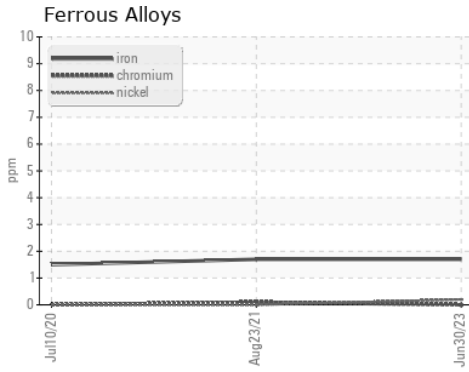


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 32	30.8	32.5	30.3

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0826478 **Received** : 14 Jul 2023
Lab Number : 05899085 **Diagnosed** : 17 Jul 2023
Unique Number : 10560441 **Diagnostician** : Wes Davis
Test Package : FLEET

OXFORD JUNCTION VFD
 P.O. BOX 124
 OXFORD JUNCTION, IA
 US 52323
 Contact: DEREK FEUSS
 ojvfd@netins.net
 T: (319)480-3378
 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)