



WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 4730 1B04730XC00028527

Component
Final Drive

Fluid
{not provided} (--- QTS)

RECOMMENDATION

We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0149156	JR0149155	JR0149154
Sample Date		Client Info		11 Mar 2023	10 Mar 2023	09 Mar 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	ABNORMAL	NORMAL

WEAR

Bearing and/or bushing wear is indicated.

PQ		ASTM D8184	>1250	103	522	224
Iron	ppm	ASTM D5185m	>750	744	▲ 928	336
Chromium	ppm	ASTM D5185m	>9	10	▲ 11	4
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		3	<1	0
Silver	ppm	ASTM D5185m		<1	<1	<1
Aluminum	ppm	ASTM D5185m	>40	3	5	2
Lead	ppm	ASTM D5185m	>15	2	0	0
Copper	ppm	ASTM D5185m	>40	● 209	10	6
Tin	ppm	ASTM D5185m	>10	8	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	LIGHT	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the oil.

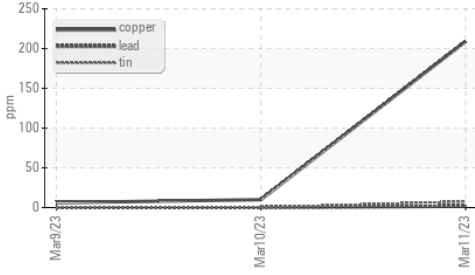
Silicon	ppm	ASTM D5185m	>75	19	37	27
Potassium	ppm	ASTM D5185m	>20	6	2	3
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	VLITE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG

FLUID CONDITION

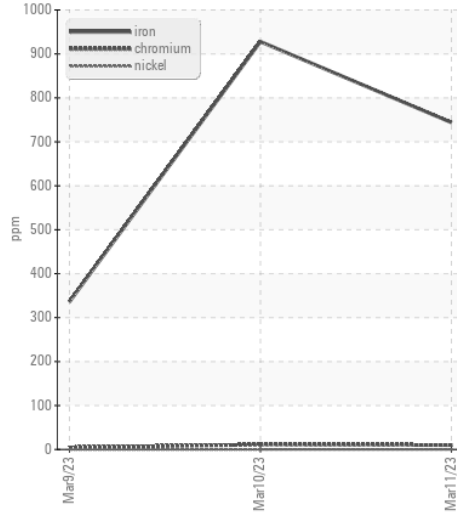
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	52	27	34
Boron	ppm	ASTM D5185m		41	16	124
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	1	<1
Manganese	ppm	ASTM D5185m		16	12	8
Magnesium	ppm	ASTM D5185m		6	4	392
Calcium	ppm	ASTM D5185m		71	61	167
Phosphorus	ppm	ASTM D5185m		769	625	1012
Zinc	ppm	ASTM D5185m		96	62	74
Sulfur	ppm	ASTM D5185m		23771	20153	21252
Visc @ 40°C	cSt	ASTM D445		301	250	189

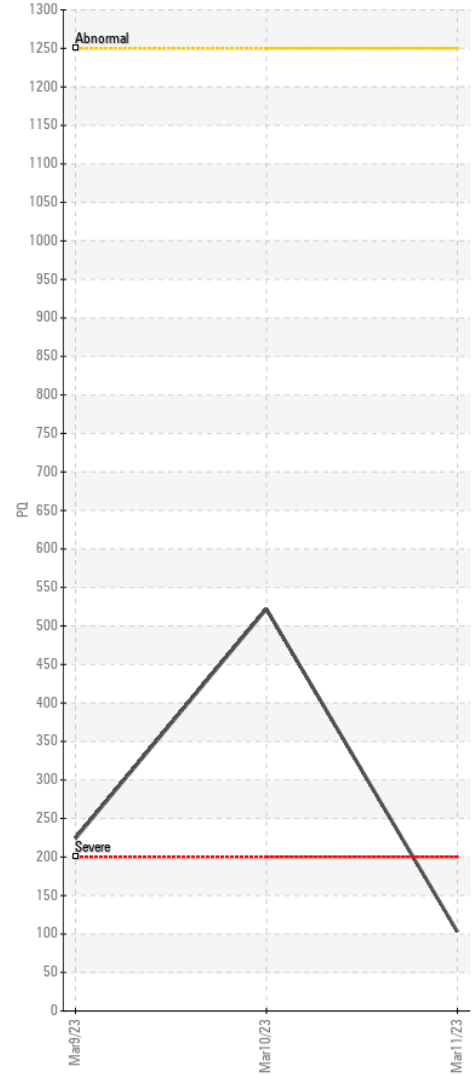
Non-ferrous Metals



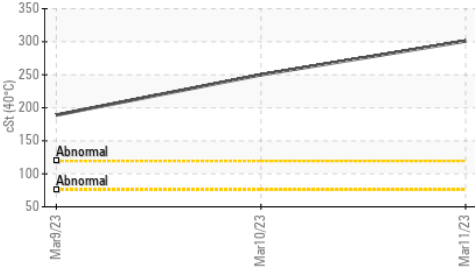
Ferrous Alloys



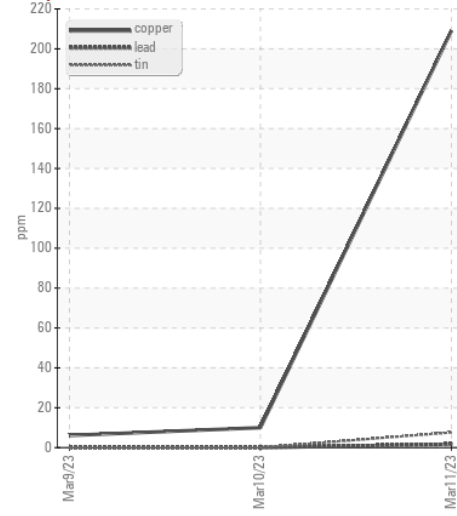
PQ



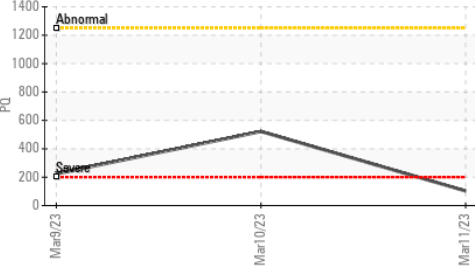
Viscosity @ 40°C



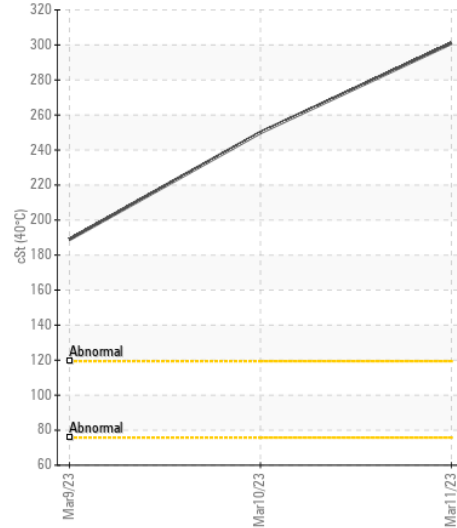
Non-ferrous Metals



PQ



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0149156 **Received** : 10 Mar 2023
Lab Number : 05788717 **Tested** : 13 Mar 2023
Unique Number : 10373388 **Diagnosed** : 13 Mar 2023 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - WAKEFIELD
 10489 GENERAL MAHONE HWY
 WAKEFIELD, VA
 US 23888
 Contact: BILL ACKER
 backer@jamesriverequipment.com
 T: (757)899-3232
 F: (757)899-6464

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)