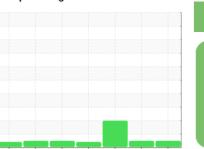


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

MACHINE 15 (S/N 991405-5-056R)

Hydraulic System

SAFETY-KLEEN PERFORMANCE PLUS HYDRAULIC AW 46 (12 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

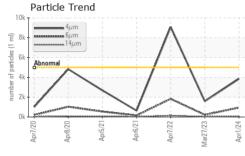
Fluid Condition

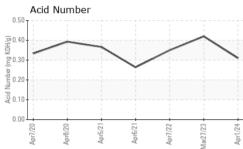
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

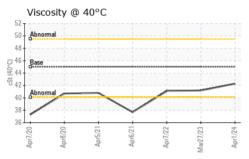
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0910088	WC0800158	WC0668644
Sample Date		Client Info		01 Apr 2024	27 Mar 2023	07 Apr 2022
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Filtered
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>20	<1	1	<1
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	1	2	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	1	<1	<1
_ead	ppm	ASTM D5185m	>20	1	0	0
Copper	ppm	ASTM D5185m	>20	2	4	4
- in	ppm	ASTM D5185m	>20	1	0	<1
Antimony	ppm	ASTM D5185m				
/anadium	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		1	1	<1
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		4	13	5
Calcium	ppm	ASTM D5185m	48	61	70	64
Phosphorus	ppm	ASTM D5185m	340	388	395	343
Zinc						
	mag	ASTM D5185m	430	443	449	417
Sulfur	ppm ppm	ASTM D5185m ASTM D5185m	430	443 948	449 1080	417 738
Sulfur CONTAMINANTS	ppm		430 limit/base			
CONTAMINANTS	ppm	ASTM D5185m		948	1080	738
CONTAMINANTS	ppm ppm	ASTM D5185m method	limit/base	948 current 0	1080 history1 <1	738 history2
CONTAMINANTS Bilicon Sodium	ppm	ASTM D5185m method ASTM D5185m	limit/base >15	948 current	1080 history1	738 history2 <1
CONTAMINANTS Bilicon Sodium	ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m	limit/base >15	948 current 0 0	1080 history1 <1 <1	738 history2 <1 0
CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN	ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >15 >20	948	1080 history1 <1 <1 0	738 history2 <1 0 1
CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm	ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method	limit/base >15 >20 limit/base	948 current 0 0 <-1 current	1080 history1 <1 <1 0 history1	738 history2 <1 0 1 history2
CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647	limit/base >15 >20 limit/base >5000	948	1080 history1 <1 <1 0 history1 1589	738 history2 <1 0 1 history2 9091
CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647 ASTM D7647	limit/base >15 >20 limit/base >5000 >1300 >160	948	1080 history1 <1 <1 0 history1 1589 221 26	738 history2 <1 0 1 history2 9091 1828
CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647	limit/base >15 >20 limit/base >5000 >1300 >160	948	1080 history1 <1 <1 0 history1 1589 221	738 history2 <1 0 1 history2 9091 1828 153
Silicon Sodium Potassium	ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647	limit/base >15 >20 limit/base >5000 >1300 >160 >40 >10	948	1080 history1 <1 <1 0 history1 1589 221 26 8	738 history2 <1 0 1 history2 9091 1828 153 35

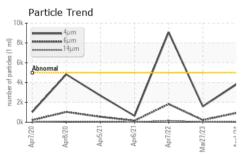


OIL ANALYSIS REPORT

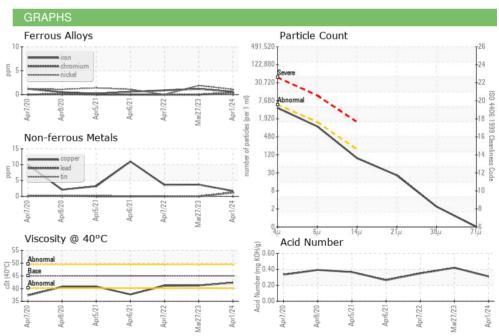
















Certificate 12367

Laboratory Sample No.

: WC0910088 Lab Number : 06147307 Unique Number : 10977385 Test Package : IND 2

Bottom

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 15 Apr 2024 Diagnosed

: 15 Apr 2024 - Wes Davis

: 12 Apr 2024

1070 SAMUELSON ST CITY OF INDUSTRY, CA US 91748-1219

Altium Packaging - SAMUELSON - Plant 1302A

Contact: ERIC LOYA Eric.Loya@altiumpkg.com

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)

Report Id: CONSAM [WUSCAR] 06147307 (Generated: 04/15/2024 14:37:34) Rev: 1

Contact/Location: ERIC LOYA - CONSAM

T:

F: