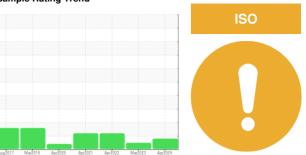


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

MACHINE 1 (S/N 4575)

Component
Hydraulic System

SAFETY-KLEEN PERFORMANCE PLUS HYDRAULIC AW 46 (55 GAL)

Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a light amount of silt (particulates < 14 microns in size) present in the oil.

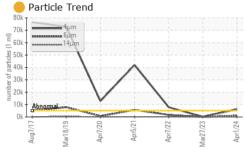
Fluid Condition

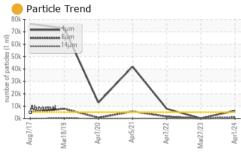
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

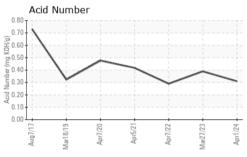
RAULIC AW 46 (5	5 GAL)	Aug2017	Mar2019 Apr2020	Apr2021 Apr2022 Mar2023	Apr2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0910113	WC0800127	WC0668607
Sample Date		Client Info		01 Apr 2024	27 Mar 2023	07 Apr 2022
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Filtered
Sample Status				ATTENTION	NORMAL	ATTENTION
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	<1	<1
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	1	0	<1
Lead	ppm	ASTM D5185m	>20	1	0	0
Copper	ppm	ASTM D5185m	>20	<1	1	<1
Tin	ppm	ASTM D5185m	>20	1	0	0
Antimony	ppm	ASTM D5185m				
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		1	2	2
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		5	35	31
Calcium	ppm	ASTM D5185m	48	61	83	82
Phosphorus	ppm	ASTM D5185m	340	355	349	315
Zinc	ppm	ASTM D5185m	430	428	440	435
Sulfur	ppm	ASTM D5185m		873	1032	708
CONTAMINANTS	8	method	limit/base	current	history1	history2
Silicon	ppm		>15	<1	<1	<1
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	1	0	2
FLUID CLEANLIN	NESS	method	limit/base		history1	history2
Particles >4µm		ASTM D7647	>5000	6246	183	7903
Particles >6µm		ASTM D7647	>1300	1062	57	1644
Particles >14µm		ASTM D7647	>160	89	9	165
Particles >21µm		ASTM D7647	>40	25	3	44
Particles >38µm		ASTM D7647	>10	1	1	3
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/17/14	15/13/10	0 20/18/15

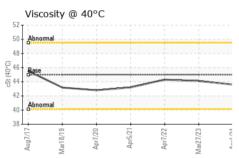


OIL ANALYSIS REPORT

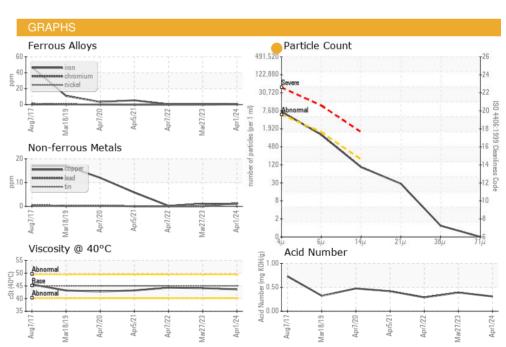








FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.31	0.39	0.29
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	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	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	TES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45.0	43.6	44.1	44.3
SAMPLE IMAGES		method	limit/base	current	history1	history2







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0910113 Lab Number : 06147305 Unique Number : 10977383 Test Package : IND 2

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Color

Bottom

Received : 12 Apr 2024 **Tested** Diagnosed

: 15 Apr 2024 : 15 Apr 2024 - Wes Davis

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

Altium Packaging - SAMUELSON - Plant 1302A

Contact: ERIC LOYA

Eric.Loya@altiumpkg.com T:

* - 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] 06147305 (Generated: 04/15/2024 14:38:44) Rev: 1

Contact/Location: ERIC LOYA - CONSAM

F: