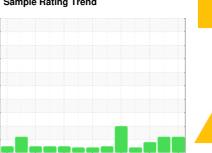


OIL ANALYSIS REPORT

Sample Rating Trend



ISO

NISSEI B-01 - S22212018K1

Component

Hydraulic System

AW HYDRAULIC OIL ISO 46 (164 GAL)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code.

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

		Oct2013	Nov2014 Dec2016	Dec2017 Oct2018 Oct2019	Jan 2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0819532	WC0385720	WC0385797
Sample Date		Client Info		17 Jan 2024	15 Jan 2020	30 Oct 2019
Machine Age	yrs	Client Info		0	0	0
Oil Age	yrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
CONTAMINATIO	V	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	0	<1	<1
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>20	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	<1	<1	<1
Copper	ppm	ASTM D5185m	>20	11	10	10
Tin	ppm	ASTM D5185m	>20	<1	<1	0
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	5	6	8
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	25	14	2	3
Calcium	ppm	ASTM D5185m	200	50	48	50
Phosphorus	ppm	ASTM D5185m	300	369	334	352
Zinc	ppm	ASTM D5185m	370	411	358	380
Sulfur	ppm	ASTM D5185m	2500	1591	1819	1344
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	0	0	<1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2

ASTM D7647 >2500

ASTM D7647

ASTM D7647

ASTM D7647

ASTM D7647 >20

ASTM D7647 >3

>320

ISO 4406 (c) >18/15/13 A 21/18/13

>80

10521

2322

71

12

0

0

Particles >4µm

Particles >6µm

Particles >14µm

Particles >21µm

Particles >38µm

Particles >71µm

Oil Cleanliness

2138

786

<u>115</u>

21

0

0

18/17/14

578

339

94

10

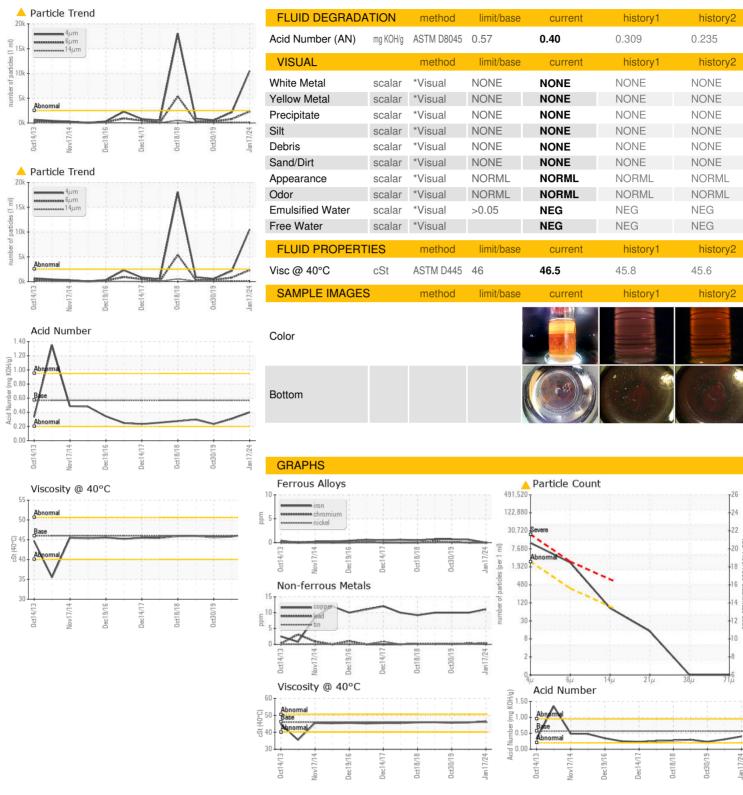
0

0

16/16/14



OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number **Unique Number**

: 06064261 : 10835643 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0819532 Recieved : 18 Jan 2024 Diagnosed Diagnostician : Wes Davis

: 19 Jan 2024

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)

NIAGARA PLASTICS - CAPLUGS

7090 EDINBORO RD ERIE, PA

US 16509 Contact: JOE SANDERS joe.sanders@caplugs.com

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