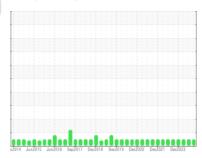


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
11
Component
Hydraulic System

Fluid

AW HYDRAULIC OIL ISO 32 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

Fluid Condition

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

n/2014 Jun/2015 Jun/2016 Sep/2017 Dec/2018 Dec/2019 Dec/2020 Dec/2021 Dec/2022						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST43870	ST43817	ST44677
Sample Date		Client Info		27 Sep 2023	28 Jun 2023	29 Mar 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	<1	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	<1	0
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
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	0	0	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	25	2	0	2
Calcium	ppm	ASTM D5185m	200	38	35	43
Phosphorus	ppm	ASTM D5185m	300	55	52	62
Zinc	ppm	ASTM D5185m	370	25	23	17
Sulfur	ppm	ASTM D5185m	2500	323	313	11
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Water	%	ASTM D6304	>0.05	0.003	0.003	0.003
ppm Water	ppm	ASTM D6304	>500	38.2	26.1	36.0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	443	157	1118
Particles >6µm		ASTM D7647	>1300	87	58	247
Particles >14µm		ASTM D7647	>320	7	9	21
Particles >21µm		ASTM D7647		2	2	7
Particles >38µm		ASTM D7647	>20	1	0	1
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/15	16/14/10	14/13/10	17/15/12
FLUID DEGRADA	LAOIT	method	limit/base	current	history1	history2
A sid Number (AN)	H-TOTA	ACTM DODAE	0.57	0.14	0.10	0.14

Acid Number (AN)

mg KOH/g ASTM D8045 0.57

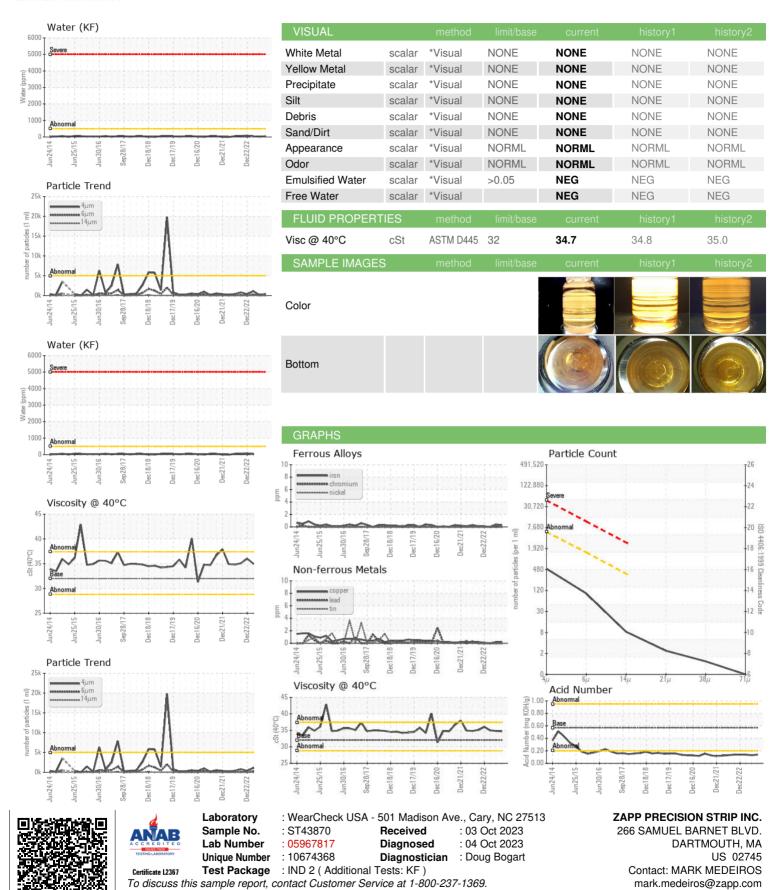
0.13

0.14

0.14



OIL ANALYSIS REPORT



* - 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)

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