

Sample Rating Trend



Machine Id

947754 Component Hydraulic System Fluid R&O OIL ISO 32 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

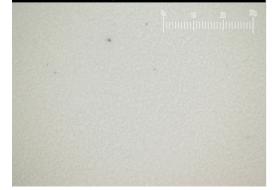
Contamination

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

Fluid Condition

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

Particle Filter (Magn: 200 x)



SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PH0000151	PH0000142	PH0000304
Sample Date		Client Info		09 May 2024	08 May 2024	27 Mar 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Filtered
Sample Status				NORMAL	ABNORMAL	ABNORMAL
CONTAMINATION	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	2	3	5
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>20	0	<1	2
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	2
Lead	ppm	ASTM D5185m	>20	1	2	3
Copper	ppm	ASTM D5185m	>20	4	4	3
Tin	ppm	ASTM D5185m	>20	<1	<1	1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
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	1
Manganese	ppm	ASTM D5185m		1	1	<1
Magnesium	ppm	ASTM D5185m	5	0	0	<1
Calcium	ppm	ASTM D5185m	5	4	4	7
Phosphorus	ppm	ASTM D5185m	100	27	28	12
Zinc	ppm	ASTM D5185m	25	26	27	11
Sulfur	ppm	ASTM D5185m	1500	1628	1649	1635
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	11	1	1
Sodium	ppm	ASTM D5185m		2	2	<1
Potassium	ppm	ASTM D5185m	>20	0	0	2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	677	4 2116	▲ 88320
Particles >6µm		ASTM D7647	>2500	274	A 8473	▲ 9890
Particles >14µm		ASTM D7647	>320	37	A 359	28
Particles >21µm		ASTM D7647	>80	9	<u> </u>	8
Particles >38µm		ASTM D7647	>20	0	7	0
Particles >71µm		ASTM D7647	>4	0	1	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/15/12	▲ 23/20/16	▲ 24/20/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.08	0.112	0.076	0.07

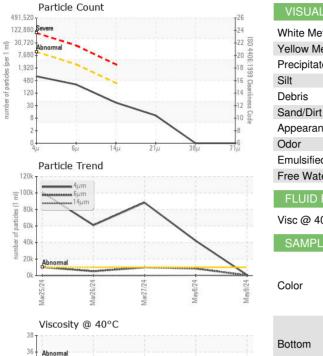
Report Id: ALLMEN [WUSCAR] 06177095 (Generated: 05/16/2024 15:17:56) Rev: 1

Contact/Location: JAKE ANDERSON - ALLMEN

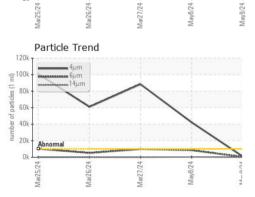


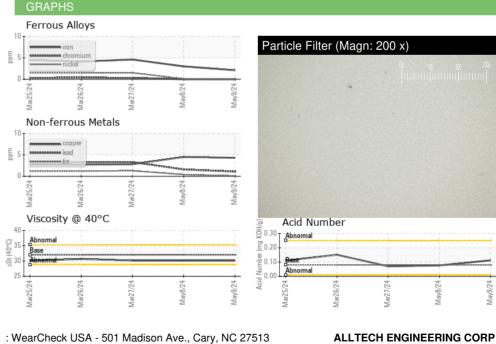
3 cSt (40°C) Ba 30 Abnorma 28 26

OIL ANALYSIS REPORT



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	LIGHT	NONE
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	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32	30.1	30.1	30.1
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						
PrtFilter						





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Mav8/24

Aav9/24

Sample No. : PH0000151 Received : 13 May 2024 Lab Number : 06177095 Tested : 16 May 2024 Unique Number : 11023148 Diagnosed : 16 May 2024 - Jonathan Hester Test Package : PLANT (Additional Tests: PrtFilter) Certificate 12367 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)

Laboratory

Contact/Location: JAKE ANDERSON - ALLMEN