

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id SCHAFFLER Component Hydraulic System Fluid EP 320 (--- GAL)

DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) EP 320. Please confirm.

NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

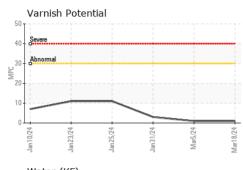
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

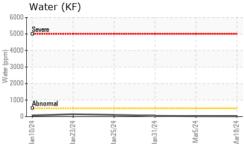
		Jan2024	Jan2024 Jan2024	Jan2024 Mar2024	Mar2024	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06124924	WC06116545	WC06082502
Sample Date		Client Info		18 Mar 2024	05 Mar 2024	31 Jan 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	5	2	0
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	2	0
Lead	ppm	ASTM D5185m	>20	0	<1	0
Copper	ppm	ASTM D5185m	>20	1	<1	<1
Tin	ppm	ASTM D5185m	>20	0	0	<1
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		21	19	22
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		0	3	0
Calcium	ppm	ASTM D5185m		4	6	0
Phosphorus	ppm	ASTM D5185m		445	348	402
Zinc	ppm	ASTM D5185m		1	10	0
Sulfur	ppm	ASTM D5185m		6596	4970	5645
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	2	0
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	0	2	0
Water	%	ASTM D6304	>0.05	0.002	0.003	0.004
ppm Water	ppm	ASTM D6304	>500	18	27	43
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	611	1019	807
Particles >6µm		ASTM D7647	>1300	138	82	48
Particles >14µm		ASTM D7647	>160	15	7	6
Particles >21µm		ASTM D7647	>40	4	2	2
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/14/11	17/14/10	17/13/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.11	0.37	0.85
MPC Varnish Potential	Scale	ASTM D7843	>15	1	1	3
8:34:14) Rev: 2		Contact/Location: CHRIS MCDOWELL - CLIGRESC				

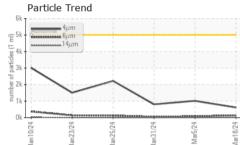
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an75/7/

an25/24

Water (KF)

600

500

1) 3000 2) 2000 3000

100

36

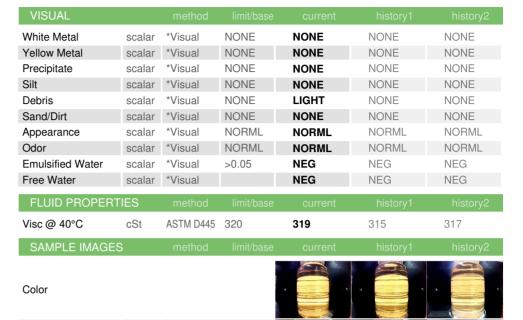
350 340

300 290 Abnorma

280

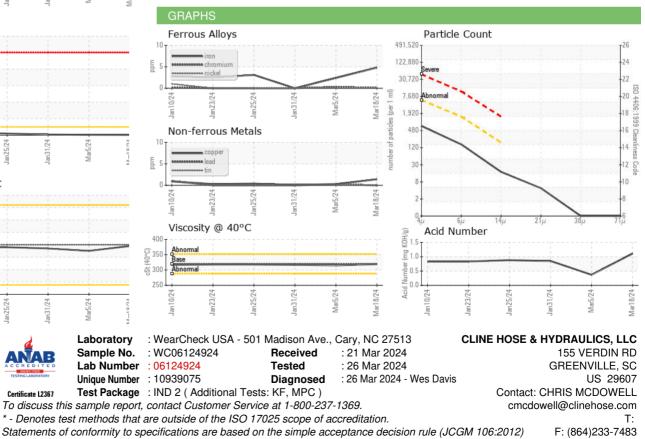
Abnorma

Viscosity @ 40°C



Bottom

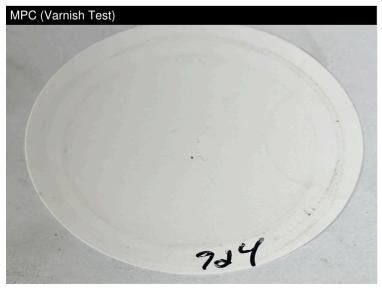
MPC



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Contact/Location: CHRIS MCDOWELL - CLIGRESC

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