

Machine Id Schaefer Logging Inc (S/N TL725D0984112122) Component Pump Drive Fluid Inct provided (CAL)

{not provided} (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

WEAR

Gear wear is indicated.

CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. There is a trace of moisture present in the oil.

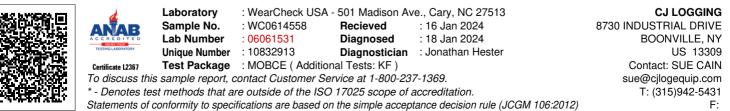
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Test	UOM	Method Client Info	Limit/Abn	Current	History1	History2
Sample Number				WC0614558		
Sample Date	le une	Client Info		02 Jan 2024		
Machine Age	hrs	Client Info		347		
Oil Age	hrs	Client Info		347		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Filter Changed		Client Info		N/A		
Sample Status				ABNORMAL		
Iron	ppm	ASTM D5185m	>500	610		
Chromium	ppm	ASTM D5185m	>15	6		
Nickel	ppm	ASTM D5185m	>10	2		
Titanium	ppm	ASTM D5185m		45		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	5 4		
Lead	ppm	ASTM D5185m		0		
Copper	ppm	ASTM D5185m	>35	2		
Tin	ppm	ASTM D5185m	>4	0		
Vanadium	ppm	ASTM D5185m		<1		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>75	1 57		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.2	0.152		
ppm Water	ppm	ASTM D6304	>2000	<u> </u>		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	0.2%		
Sodium	ppm	ASTM D5185m		6		
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		27		
Molybdenum	ppm	ASTM D5185m		1		
Manganese	ppm	ASTM D5185m		7		
Magnesium	ppm	ASTM D5185m		13		
Calcium	ppm	ASTM D5185m		296		
Phosphorus	ppm	ASTM D5185m		666		
Zinc	ppm	ASTM D5185m		211		
Sulfur	ppm	ASTM D5185m		18002		
Visc @ 40°C	cSt	ASTM D445		107		

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Submitted By: Elise Bailey





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