

OIL ANALYSIS REPORT

Sample Rating Trend





MINING ME-301 VOLVO L350F 1961 Component Transmission

SHELL Spirax S4 CX 30 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

Area

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

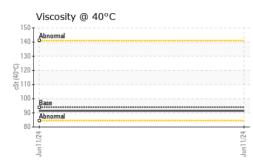
Fluid Condition

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

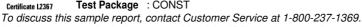
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0928247		
Sample Date		Client Info		11 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	۱.	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	5		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	2		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>400	21		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		5		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		4		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		46		
Calcium	ppm	ASTM D5185m		2382		
Phosphorus	ppm	ASTM D5185m		961		
Zinc	ppm	ASTM D5185m		1089		
Sulfur	ppm	ASTM D5185m		3762		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	10		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	2		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
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	NEG		
Free Water	scalar	*Visual		NEG		



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FLUID	PROPERTIES	method	limit/base	current	history1	history2
Visc @ 4	0°C cSt	ASTM D445	93.9	91.4		
SAMPL	E IMAGES	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPH	IS					
Ferrous	Alloys					
9 -	iron chromium nickel					
7-						
E 5-						
3						
1+						
Jun11/24			Jun11/24			
	rous Metals		Jul			
22	copper					
181	ead tin					
14						
8						
6						
2						
Jun11/24			Jun 11/24			
	y @ 40°C					
Abnormal						
130-						
() 120 - 아아 양 110 -						
3 110 - 100 -						
Base						
80 Abnormal			24			
Jun11/24			Jun11/24			
b. : WC092824		eived : 17	' Jun 2024		N60	ORTAGE - 02 82 US HWY 5
mber : 11085070 age : CONST						DEEVILLE, V US 5395 ct: Sean Lyor



* - 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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