

# **OIL ANALYSIS REPORT**

Sample Rating Trend

SAMPLE INFORMATION method limit/base



NORMAL



MINING Machine Id ME-56 VOLVO L350F ME-56 Component Rear Right Final Drive

SHELL Spirax S4 CX 30 (--- GAL)

### DIAGNOSIS

### 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 oil.

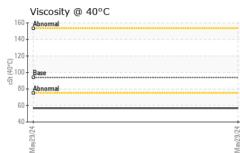
## Fluid Condition

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

SAMPLE INFORM		method	iimit/base	current	nistory i	riistory2
Sample Number		Client Info		WC0939954		
Sample Date		Client Info		29 May 2024		
Machine Age	hrs	Client Info		11775		
Oil Age	hrs	Client Info		1500		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	J	method	limit/base	ourropt	history1	history2
	N			current	riistory i	nistory2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>1000	28		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m		1		
Lead	ppm	ASTM D5185m	>25	<1		
Copper	ppm	ASTM D5185m	>30	3		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		91		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		2		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		26		
Calcium	ppm	ASTM D5185m		2863		
Phosphorus	ppm	ASTM D5185m		1264		
Zinc	ppm	ASTM D5185m		1398		
Sulfur	ppm	ASTM D5185m		5683		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	10		
Sodium	ppm	ASTM D5185m		3		
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		
:25:28) Rev: 1					Submitted E	By: Grant Wilson



# **OIL ANALYSIS REPORT**



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C cSt	ASTM D445	93.9	56.7		
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image
GRAPHS					
Ferrous Alloys					
30 25					
nonnonn nickel					
20					
<u>ل</u> 15 -					
10 -					
5 -					
5 0		24			
May29/24		May29/24			
Non-ferrous Metals		_			
10 9 copper					
8 - energy tin					
7					
Ē. 5-					
4					
3					
1-					
0					
Ma/29/24		May29/24			
Viscosity @ 40°C					
150 Abnormal					
140					
120					
(3) 6 5 5 100 - Base					
90 Base					
80 - Abnormal 70 -					
60 -					
50 ++		/24			
May29/24		May29/24			
~		~			
: WearCheck USA - 501 Madis			COVI	A - OTTAWA -L	
: WC0939954 Rece : 06198439 Test		Jun 2024 Jun 2024			TTAWA ROA E SUEUR, N
: 11060562 Diag		Jun 2024 - Dor	n Baldridge		IS 56058-42
: CONST			-		ct: Sam Donn

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)

Report Id: COVLES [WUSCAR] 06198439 (Generated: 06/05/2024 21:25:29) Rev: 1

Certificate L2367

Submitted By: Grant Wilson Page 2 of 2

T: (507)931-6081

F:

samuel.donner@coviacorp.com