

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.

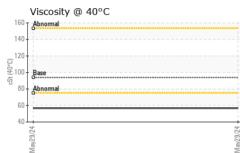
Fluid Condition

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