

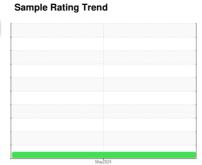
OIL ANALYSIS REPORT

MINING

ME-56 VOLVO L350F ME-56

Component Rear Differential

Fluid SHELL Spirax S4 CX 30 (--- GAL)





Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

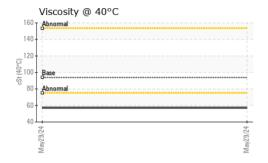
Fluid Condition

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

0 (GAL)		<u>-</u>		May2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0939958		
Sample Date		Client Info		29 May 2024		
Machine Age	hrs	Client Info		11775		
Oil Age	hrs	Client Info		1500		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATIO	N N	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	26		
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	>25	1		
Lead	ppm	ASTM D5185m	>25	<1		
Copper	ppm	ASTM D5185m	>100	3		
Tin		ASTM D5185m	>100	<1		
vanadium	ppm	ASTM D5185m	>10	0		
	ppm					
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		87		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		2		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		25		
Calcium	ppm	ASTM D5185m		2757		
Phosphorus	ppm	ASTM D5185m		1170		
Zinc	ppm	ASTM D5185m		1342		
Sulfur	ppm	ASTM D5185m		5407		
CONTAMINANT		method	limit/base		history1	history2
				current	Tilstory	HISTOLYZ
Silicon	ppm	ASTM D5185m	>/5	9		
Sodium	ppm	ASTM D5185m	00	3		
Potassium	ppm	ASTM D5185m		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	>.2	NEG		
ree Water	scalar	*Visual		NEG		
25:18) Rev: 1					Submitted F	By: Grant Wilso

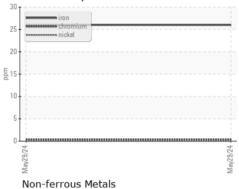


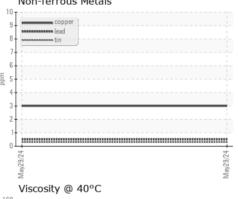
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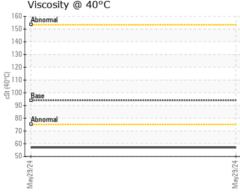


	FLUID PROPERTIES		method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	93.9	57.0		
Color no image no image no image	SAMPLE IMAGES		method	limit/base	current	history1	history2
	Color				no image	no image	no image
Bottom no image no image no image	Bottom				no image	no image	no image

Ferrous Alloys











Certificate 12367

Sample No. : WC0939958 Lab Number : 06198441 Unique Number : 11060564

Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Jun 2024

Tested : 04 Jun 2024 Diagnosed : 05 Jun 2024 - Don Baldridge

COVIA - OTTAWA -LESUEUR - 008 39770 OTTAWA ROAD LE SUEUR, MN

US 56058-4292 Contact: Sam Donner

samuel.donner@coviacorp.com T: (507)931-6081

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)