WEAR CONTAMINATION FLUID CONDITION

ABNORMAL

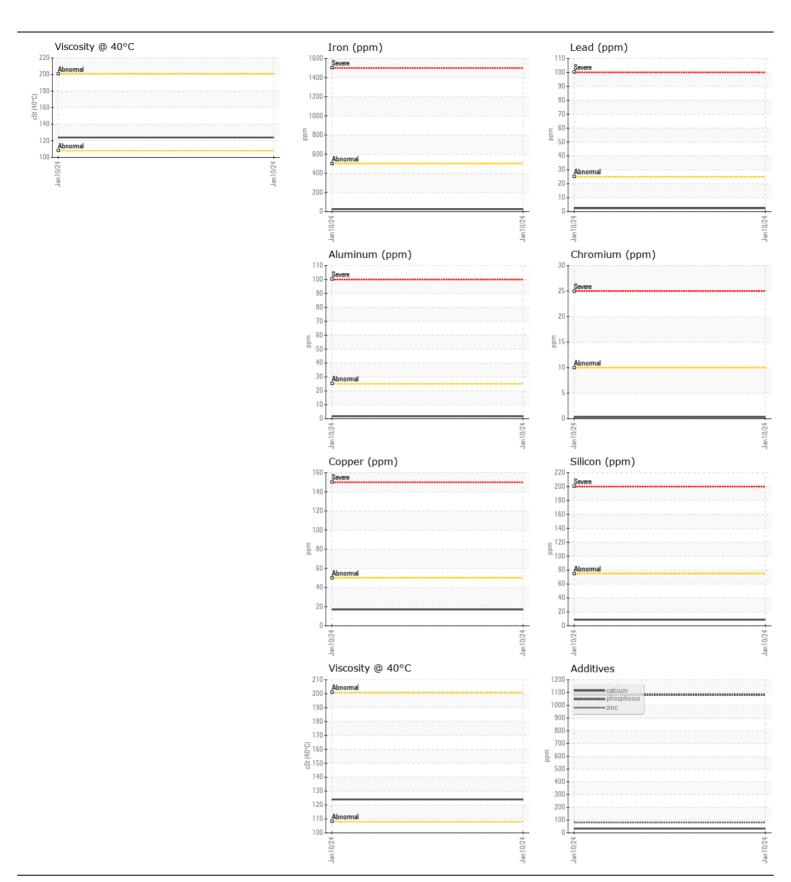
ABNORMAL

NORMAL

[RS0036684]

GROVE RT770 237556

Front Right Final Drive							
COWIN 80W90 (GAL)							
RECOMMENDATION	· ·			11 2/41			
RECOMMENDATION	Test Sample Number	UOM	Method	Limit/Abn	Current	History1	History2
The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.	Sample Number		Client Info		VCP430901 10 Jan 2024		
		hro	Client Info		211		
	Machine Age	hrs	Client Info				
	Oil Age Filter Age	hrs	Client Info		0		
	Oil Changed	hrs	Client Info		Changed		
	Filter Changed		Client Info		N/A		
	Sample Status		Cheff into		ABNORMAL		
	Jampie Status						
WEAR	Iron	ppm	ASTM D5185m	>500	25		
High concentration of visible metal present. All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	<1		
	Nickel	ppm	ASTM D5185m	>10	0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>25	2		
	Lead	ppm	ASTM D5185m	>25	2		
	Copper	ppm	ASTM D5185m	>50	17		
	Tin	ppm	ASTM D5185m	>10	<1		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	▲ HEAVY		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>75	9		
There is a high amount of visible silt present in the sample.	Potassium	ppm	ASTM D5185m		7		
	Water	1-1-	WC Method	>0.2	NEG		
	Silt	scalar	*Visual	NONE	▲ HEAVY		
	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		
ELUID CONDITION							
The condition of the oil is acceptable for the time in service.	Sodium	ppm	ASTM D5185m		0		
	Boron	ppm	ASTM D5185m		151		
	Barium	ppm	ASTM D5185m		3		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		1		
	Magnesium	ppm	ASTM D5185m		1		
	Calcium	ppm	ASTM D5185m		34		
	Phosphorus	ppm	ASTM D5185m		1082		
	Zinc	ppm	ASTM D5185m		80 25144		
	Sulfur	ppm	ASTM D5185m		25144		
	Visc @ 40°C	cSt	ASTM D445		124		





Certificate L2367

Report Id: VOLVO8247 [WUSCAR] 06063152 (Generated: 01/19/2024 14:59:07) Rev: 1

Laboratory Sample No. Lab Number **Unique Number**

: VCP430901 : 06063152 : 10834534 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 17 Jan 2024 Diagnosed : 19 Jan 2024 Diagnostician : Sean Felton

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)

COWIN EQUIPMENT COMPANY

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