

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION

ABNORMAL

NORMAL



AMR-Cheyenne 17529 VOLVO EC460CL 110459

Component Rear Right Final Drive

VÕLVO PREMIUM GEAR OIL 8	50W-90 GL-5	(G	AL)				
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		DJJ026995	DJJ010208	VC448607
	Sample Date		Client Info		14 Mar 2024	09 Apr 2014	06 Feb 201
	Machine Age	hrs	Client Info		8269	4088	2354
	Oil Age	hrs	Client Info		0	2176	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Not Change
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				ABNORMAL	NORMAL	ABNORMA
WEAR	Iron	ppm	ASTM D5185m	>500	427	211	375
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	3	3	5
	Nickel	ppm	ASTM D5185m	>10	2	<1	2
	Titanium	ppm	ASTM D5185m		1	<1	1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>25	<u> </u>	8	1 8
	Lead	ppm	ASTM D5185m	>25	<1	<1	3
	Copper	ppm	ASTM D5185m	>50	41	20	48
	Tin	ppm	ASTM D5185m	>10	2	0	3
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>75	<u> </u>	49	1 00
Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress.	Potassium	ppm	ASTM D5185m	>20	7	5	10
	Water		WC Method	>0.2	NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	MODER	LIGHT	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORMI
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	5	14
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	379	116	110	63
	Barium	ppm	ASTM D5185m		0	0	4
	Molybdenum	ppm	ASTM D5185m	0.8	2	0	0
	Manganese	ppm	ASTM D5185m		3	3	6
	Magnesium	ppm	ASTM D5185m	31	13	<1	8
	Calcium	ppm	ASTM D5185m	38	111	63	119
	Phosphorus	ppm	ASTM D5185m	1077	2039	2215	1869
	Zinc	ppm	ASTM D5185m	46	80	18	52
	Sulfur	ppm	ASTM D5185m	23526	21801	7496	17948

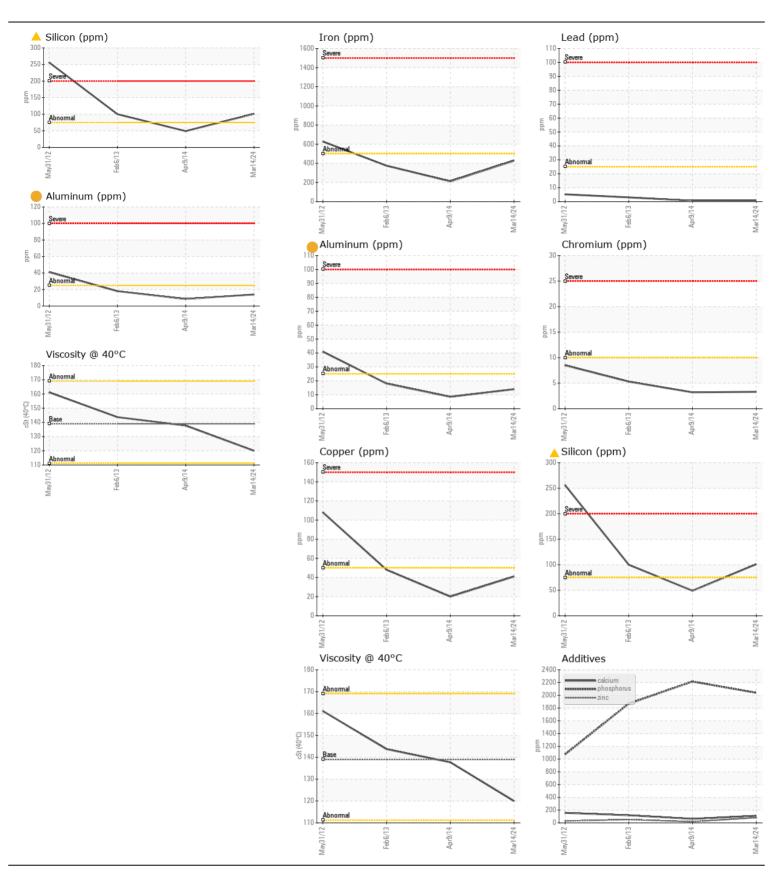
Visc @ 40°C

137.7

120

ASTM D445 139

143.7





Certificate L2367

Laboratory Sample No. Lab Number

: DJJ026995 : 06145452 Unique Number: 10970260 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Apr 2024 **Tested**

: 11 Apr 2024 : 14 Apr 2024 - Don Baldridge Diagnosed

ADVANTAGE METALS RECYCLING - CHEYENNE

1015 S. PACKARD ST KANSAS CITY, KS US 66105

Contact: BRIAN JACOBS

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. BRIAN.JACOBS@ADVANTAGERECYCLING.COM T: (816)808-4711 F:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)