

WEAR CONTAMINATION FLUID CONDITION

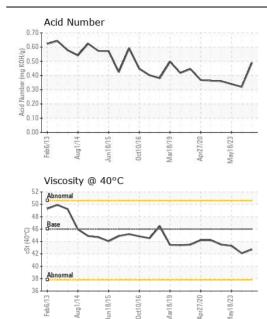
NORMAL ABNORMAL NORMAL

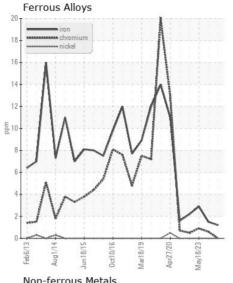


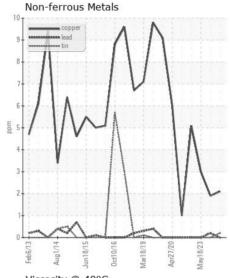
AMR-Cheyenne 17529 VOLVO EC460CL 110459

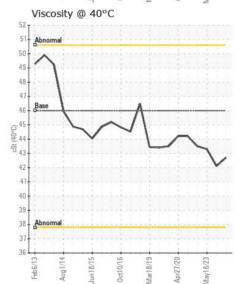
Hydraulic System

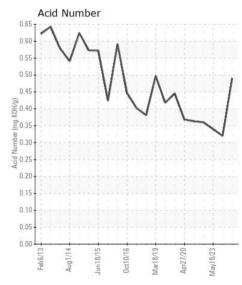
VOLVO SUPER HYDRAULIC OIL 46 (139 GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.	Sample Number		Client Info		DJJ028501	DJJ0012256	
	Sample Date	laua	Client Info		14 Mar 2024	06 Oct 2023	18 May 2023
	Machine Age	hrs	Client Info		8269	14810	14362
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		Ober med	O Not Change	0 Not Change
	Oil Changed				Changed	Not Changd	Not Changd
	Filter Changed Sample Status		Client Info		Changed ABNORMAL	Not Changd ABNORMAL	0
WEAR	Iron	ppm	ASTM D5185m	>25	1	2	3
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	0	<1	<1
	Nickel	ppm	ASTM D5185m	>10	0	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>20	2	0	0
	Lead	ppm	ASTM D5185m	>20	0	<1	0
	Copper	ppm	ASTM D5185m	>150	2	2	3
	Tin	ppm	ASTM D5185m	>10	<1	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	0	<1	<1
	Potassium	ppm	ASTM D5185m	>20	1	1	<1
Moderate concentration of visible dirt/debris present in the oil.	Water		WC Method	>0.1	NEG	NEG	NEG
	Particles >4µm		ASTM D7647	>40000		<u></u> 94015	7297
	Particles >6µm		ASTM D7647	>10000		<u></u> 30917	801
	Particles >14μm		ASTM D7647	>2500		1678	38
	Particles >21µm		ASTM D7647	>640		379	10
	Particles >38µm		ASTM D7647	>160		8	1
	Particles >71μm		ASTM D7647	>40		1	0
	Oil Cleanliness		ISO 4406 (c)	>22/20/18		<u>4</u> 24/22/18	20/17/12
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	▲ MODER	LIGHT	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	4.4	0	<1	<1
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		0	0	0
	Barium	ppm	ASTM D5185m		0	3	0
	Molybdenum	ppm	ASTM D5185m		3	<1	<1
	Manganese Magnesium	ppm	ASTM D5185m		0 36	0 1	0
	Calcium	ppm	ASTM D5185m ASTM D5185m		110	126	<1 87
	Phosphorus	ppm	ASTM D5185m		339	361	362
	Zinc	ppm	ASTM D5185m		398	454	456
	Sulfur	ppm	ASTM D5185m		974	1013	1146
	Acid Number (AN)	mg KOH/g	ASTM D3103111	0113	0.49	0.32	0.34
	Visc @ 40°C	cSt	ASTM D0045	46	42.7	42.1	43.3
	1100 @ 10 0	001	. 10 1111 D 170	10	72.1		10.0













Certificate L2367

Laboratory Sample No.

: DJJ028501 Lab Number : 06145257 Unique Number : 10970065 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Apr 2024 **Tested** : 13 Apr 2024

Diagnosed : 13 Apr 2024 - Don Baldridge

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

Report Id: ADVKANKS [WUSCAR] 06145257 (Generated: 04/13/2024 22:01:11) Rev: 1