WEAR CONTAMINATION FLUID CONDITION

NORMAL

ABNORMAL

NORMAL

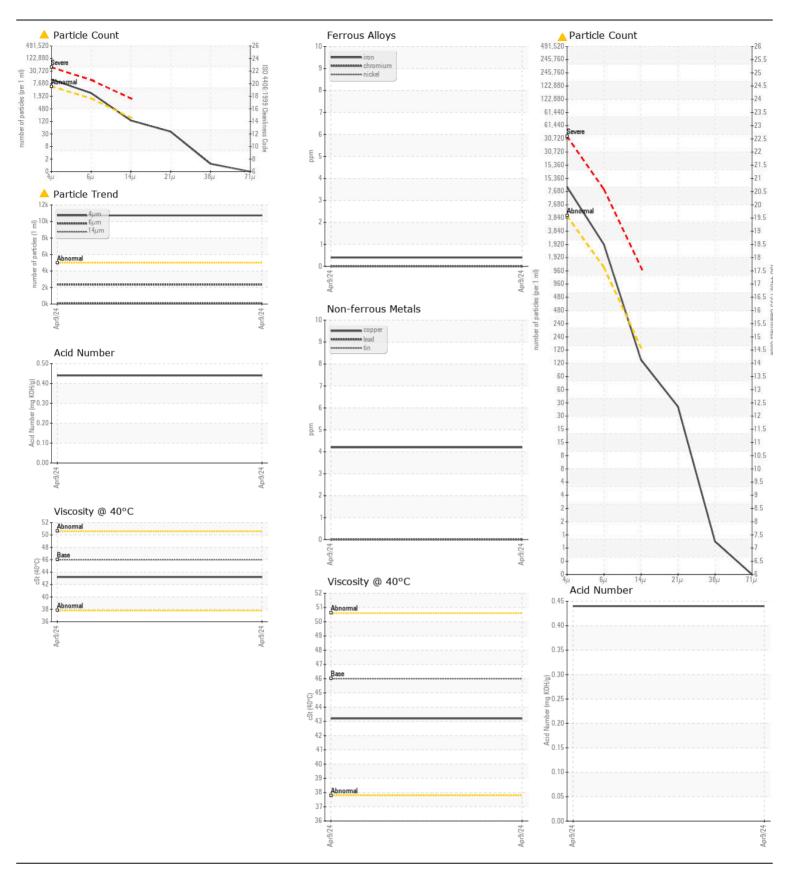
Area

Ascendum Machinery VOLVO L180H 5676

Hydraulic System

VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)

VOLVO GOI EITTI DITAGLIO C							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We recommend you service the filters on this component. We recommend an early resample to monitor this condition.	Sample Number		Client Info		ASC0007060		
	Sample Date		Client Info		09 Apr 2024		
	Machine Age	hrs	Client Info		453		
	Oil Age	hrs	Client Info		453		
	Filter Age	hrs	Client Info		453		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				ABNORMAL		
WEAR	Iron	ppm	ASTM D5185m	>50	<1		
	Chromium	ppm	ASTM D5185m		0		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>20	0		
	Lead	ppm	ASTM D5185m	>20	0		
	Copper	ppm	ASTM D5185m		4		
	Tin	ppm	ASTM D5185m	>20	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m		<1		
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.	Potassium	ppm	ASTM D5185m		0		
	Water		WC Method	>0.2	NEG		
	Particles >4µm		ASTM D7647		<u> </u>		
	Particles >6µm		ASTM D7647		2357		
	Particles >14µm		ASTM D7647		116		
	Particles >21µm		ASTM D7647		34		
	Particles >38µm		ASTM D7647		1		
	Particles >71µm Oil Cleanliness		ASTM D7647		0		
	Silt	scalar	ISO 4406 (c) *Visual	NONE	21/18/14 NONE		
	Debris		*Visual	NONE	NONE		
	Sand/Dirt	scalar scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water		*Visual	>0.2	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2		
The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.	Boron	ppm	ASTM D5185m		0		
	Barium	ppm	ASTM D5185m	0.0	0		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		0		
	Calcium	ppm	ASTM D5185m	-	55		
	Phosphorus	ppm	ASTM D5185m		318		
	Zinc	ppm	ASTM D5185m		408		
	Sulfur	ppm	ASTM D5185m	3719	1460		
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.44		
	Visc @ 40°C	cSt	ASTM D445	46	43.2		





Certificate L2367

Report Id: METMONNC [WUSCAR] 06145793 (Generated: 04/12/2024 10:47:01) Rev: 1

Laboratory Sample No.

Test Package : CONST

: ASC0007060 Lab Number : 06145793 Unique Number : 10975871

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Apr 2024 **Tested**

: 12 Apr 2024 : 12 Apr 2024 - Wes Davis Diagnosed

METAL RECYCLING SERVICES - MONROE P.O. BOX 812 MONROE, NC US 28111

Contact: RYAN BOWDEN

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)

F: (704)238-0755