

Area



RECOMMENDATION

Ascendum Machinery VOLVO EC380E 380E314127 Component Hydraulic System

VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)

1	
	We recommend you service the filters on this component. Resample at
	the next service interval to monitor.

			- 1
WW		4 1	- 1
	_		

All component wear rates are normal.

CONTAMINATION

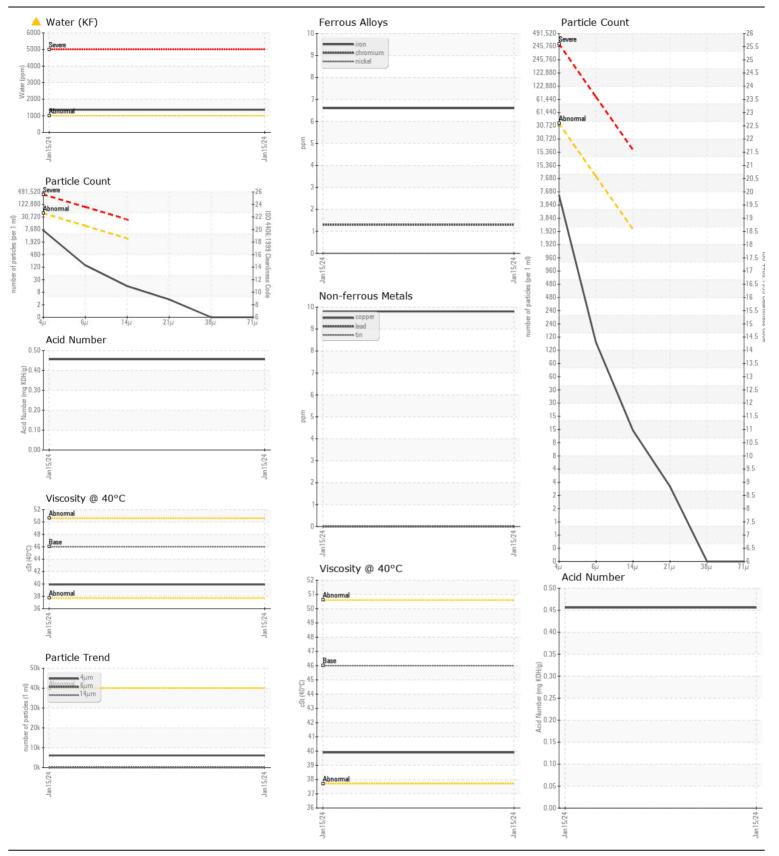
There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable.

.....

UID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number	JOIVI	Client Info	LIIII(/AUII	ASC0001553	History1	i listolyz
Sample Date		Client Info		15 Jan 2024		
Machine Age	hrs	Client Info		3445		
Oil Age	hrs	Client Info		3445 3445		
Filter Age	hrs	Client Info		0		
Oil Changed	1115	Client Info		0 Not Changd		
Filter Changed		Client Info		Not Change		
Sample Status		Client Into		ABNORMAL		
Sample Status						
Iron	ppm	ASTM D5185m	>25	7		
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	>20	1		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>150	10		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>50	5		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>0.1	A 0.136		
ppm Water	ppm	ASTM D6304	>1000	A 1360		
Particles >4µm		ASTM D7647	>40000	6120		
Particles >6µm		ASTM D7647	>10000	130		
Particles >14µm		ASTM D7647	>2500	13		
Particles >21µm		ASTM D7647	>640	3		
Particles >38µm		ASTM D7647	>160	0		
Particles >71µm		ASTM D7647	>40	0		
Oil Cleanliness		ISO 4406 (c)	>22/20/18	20/14/11		
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	>0.1	6.2%		
Sodium	000	ASTM D5185m		2		
Sodium	ppm		1/	3		
Boron	ppm	ASTM D5185m	14	13		
Barium	ppm	ASTM D5185m	0.0	0		
Molybdenum	ppm	ASTM D5185m	0.0	4		
Manganese	ppm	ASTM D5185m	0.0	0		
Magnesium	ppm	ASTM D5185m	2.6	72		
Calcium	ppm	ASTM D5185m	49	203		
Phosphorus	ppm	ASTM D5185m	354	341		
Zinc	ppm	ASTM D5185m	419	387		
Sulfur	ppm	ASTM D5185m	3719	1686		
Acid Number (AN)	mg KOH/g	ASTM D8045	1.5	0.456 39.9		
Visc @ 40°C	cSt	ASTM D445	46			



ENVIRONMENTAL HOLDINGS GROUP LLC Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : ASC0001553 Recieved : 17 Jan 2024 4000 TRIANGLE LANE SUITE 160 Lab Number EXPORT, PA : 06062571 Diagnosed : 24 Jan 2024 : 10833953 US 15632 **Unique Number** Diagnostician : Doug Bogart Test Package : MOBCE (Additional Tests: KF) Contact: Service Manager Certificate L2367 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. T: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

ŏ

Submitted By: KARRINGTON RENDLEMAN