WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

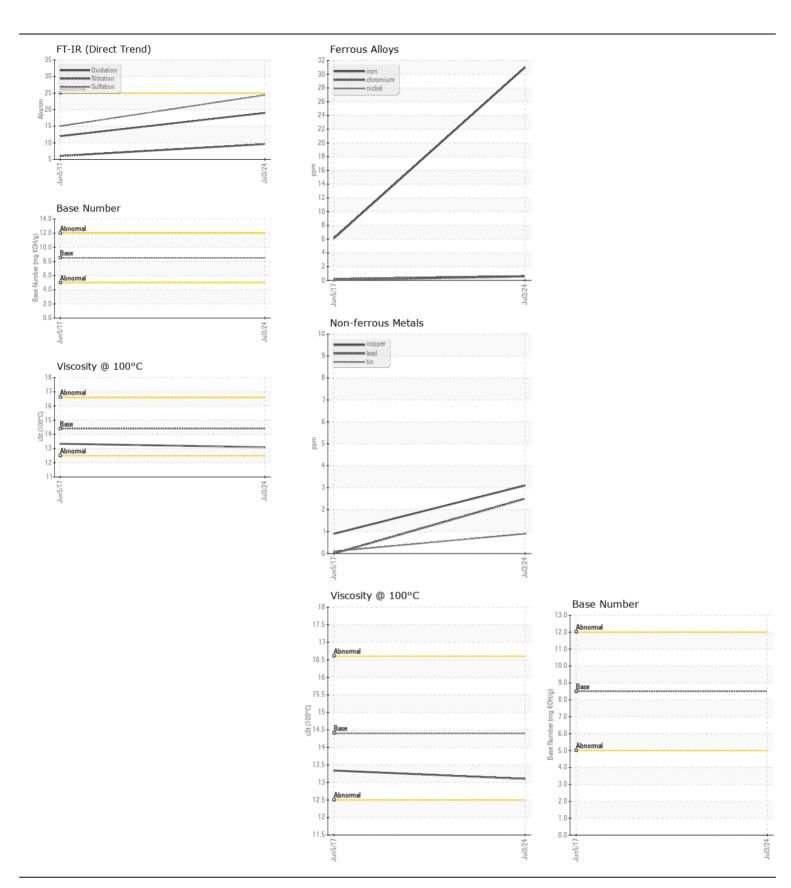


VOLVO A30D 14058

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

DECOMMEND ATION							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		ASC0004495	VCP188457	
1	Sample Date	la con	Client Info		03 Jul 2024	05 Jun 2017	
	Machine Age	hrs	Client Info		10297	7563	
	Oil Age	hrs	Client Info		2734	0	
	Filter Age	hrs	Client Info		Ohan mad	0 Changed	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed Sample Status		Client Info		Changed NORMAL	Changed NORMAL	
<u></u>	Sample Status				INUNIVIAL	NORWAL	
WEAR	Iron	ppm	ASTM D5185m	>100	31	6	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	<1	<1	
	Nickel	ppm	ASTM D5185m	>10	<1	0	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m	>2	0	0	
	Aluminum	ppm	ASTM D5185m	>10	6	2	
	Lead	ppm	ASTM D5185m		2	0	
	Copper	ppm	ASTM D5185m		3	<1	
	Tin	ppm	ASTM D5185m	>10	<1	<1	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	15	6	
CONTAMINATION	Potassium	ppm	ASTM D5185m		4	0	
There is no indication of any contamination in the oil.	Fuel	PPIII	WC Method	>3.0	<1.0	<1.0	
	Water		WC Method		NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844	>3	1.7	0.4	
	Nitration	Abs/cm	*ASTM D7624	>20	9.6	6.	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	24.4	15.	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
FLUID CONDITION The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Sodium	nnm	ASTM D5185m	<u>-158</u>	2	5	
	Boron	ppm	ASTM D5185m		35	62	
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		39	50	
	Manganese	ppm	ASTM D5185m		<1	0	
	Magnesium	ppm	ASTM D5185m	450	560	599	
	Calcium	ppm	ASTM D5185m		1488	1204	
	Phosphorus	ppm	ASTM D5185m		1081	849	
	Zinc	ppm	ASTM D5185m		1137	984	
	Sulfur	ppm	ASTM D5185m	4250	3593	2955	
	Oxidation	Abs/.1mm	*ASTM D7414	>25	19.0	12.	
	Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.5		
	Visc @ 100°C	cSt	ASTM D445	14.4	13.1	13.34	







Certificate L2367

Laboratory Sample No.

Lab Number : 06229971

: ASC0004495

Tested Unique Number : 11113464 Diagnosed Test Package : CONST (Additional Tests: TBN)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Jul 2024 : 09 Jul 2024

: 09 Jul 2024 - Don Baldridge

520 - ASCENDUM MACHINERY INC - KNOXVILLE

5730 RUTLEDGE PIKE KNOXVILLE, TN US 37924

Contact: BRANDON GRANT

To discuss this sample report, contact Customer Service at 1-800-237-1369. brandon.grant@ascendummachinery.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (865)525-1845

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