



17500 VOLVO A30D 74090

VOLVO ULTRA DIESEL ENGINE OIL SAE 10W30 (10 GAL)

				·/			
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		DJJ0010599	DJJ0010610	DJJ0010597
	Sample Date		Client Info		25 Jan 2024	29 Jun 2023	14 Feb 2023
	Machine Age	hrs	Client Info		10439	10178	9878
	Oil Age	hrs	Client Info		250	1000	250
	Filter Age	hrs	Client Info		250	1000	250
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	ATTENTION	ATTENTION
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>100	4	4	3
	Chromium	ppm	ASTM D5185m		0	0	<1
	Nickel	ppm	ASTM D5185m		0	<1	0
	Titanium	ppm	ASTM D5185m		0	0	<1
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>10	2	2	<1
	Lead	ppm	ASTM D5185m	>20	<1	<1	<1
	Copper	ppm	ASTM D5185m	>15	<1	1	2
	Tin	ppm	ASTM D5185m	>10	0	<1	<1
	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		ASTM D5185m		0	4	E
	Potassium	ppm	ASTM D5185m		8 0	4	5 <1
There is no indication of any contamination in the oil.	Fuel	ppm	WC Method		<1.0	<1.0	▲ 3.7
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	20.1	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	5.4	5.9	5.8
	Sulfation	Abs/.1mm	*ASTM D7415		20.1	21.2	21.4
	Silt	scalar	*Visual	NONE	NONE	NONE	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	NORML
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	nnm	ASTM D5185m		<1	0	2
	Boron	ppm ppm	ASTM D5185m		385	399	81
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		103	100	45
	Manganese	ppm	ASTM D5185m		<1	<1	1
	Magnesium	ppm	ASTM D5185m		456	469	516
	Calcium	ppm	ASTM D5185m		1390	1443	1779
	Phosphorus	ppm	ASTM D5185m		818	875	883
	Zinc	ppm	ASTM D5185m		1043	1025	1107
	Sulfur	ppm	ASTM D5185m		2936	3224	3214
	Oxidation	Abs/.1mm	*ASTM D7414	>25	13.8	15.2	18.3
	Base Number (BN)	mg KOH/g	ASTM D2896		8.0	8.8	11.1
	Vice @ 100%C	oC+	ACTM D445		10.1		A 11 7

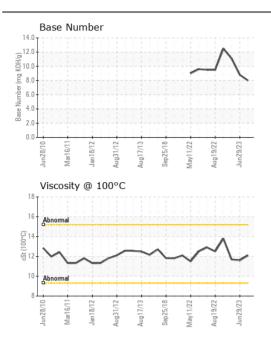
Visc @ 100°C cSt

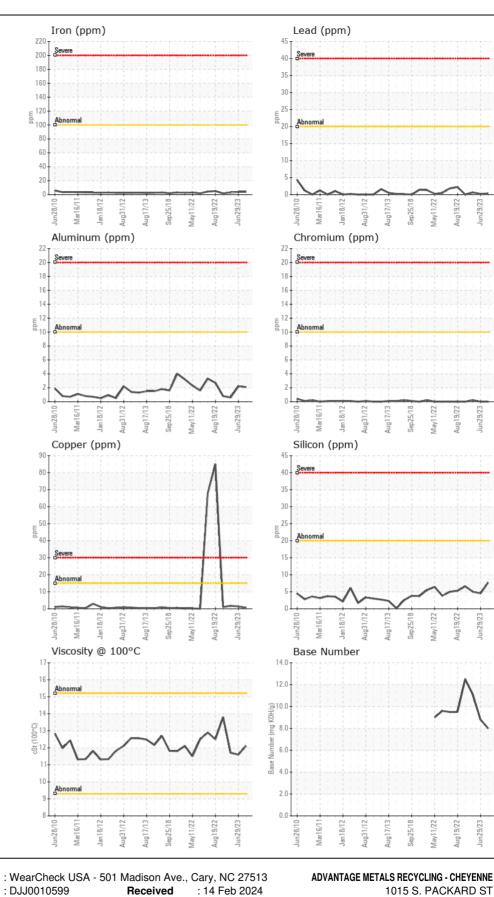
ASTM D445

11.6

12.1

11.7







Lab Number : 06089239 Tested : 15 Feb 2024 KANSAS CITY, KS Unique Number : 10876684 : 16 Feb 2024 - Sean Felton US 66105 Diagnosed Test Package : MOBCE (Additional Tests: TBN) Contact: BRIAN JACOBS Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. BRIAN.JACOBS@ADVANTAGERECYCLING.COM * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (816)808-4711 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Laboratory

Sample No.

Contact/Location: BRIAN JACOBS - ADVKANKS

F:

un29/23