

OIE ANALTSIS NEF ONT

Machine Id VOLKSWAGEN VOLKSWAGEN PASSAT TDI Component Diesel Engine Fluid TRC MOLY XL PRO-SPEC IV HD SYN 5W40 (6 QTS)

RECOMMENDATION Test UOM Method Limit/Abn Current History1 History2 Client Info TR06076441 Sample Number Resample at the next service interval to monitor. Sample Date **Client Info** 04 Apr 2023 Machine Age mls Client Info 162376 Oil Age mls Client Info 12300 12300 Filter Age mls **Client Info** Oil Changed **Client Info** Changed Filter Changed Client Info Changed NORMAL Sample Status WEAR Iron ppm ASTM D5185m >100 19 Chromium ASTM D5185m >20 ppm 1 All component wear rates are normal. Nickel ASTM D5185m >4 <1 ppm Titanium ppm ASTM D5185m <1 Silver ASTM D5185m >3 0 ppm Aluminum ppm ASTM D5185m >20 4 Lead ASTM D5185m >40 2 ppm 3 Copper ASTM D5185m >330 ppm Tin ppm ASTM D5185m >15 1 ppm Vanadium ASTM D5185m <1 White Metal NONE NONE scalar *Visual ----NONE Yellow Metal scalar *Visual NONE CONTAMINATION Silicon ASTM D5185m >25 5 ppm Potassium ASTM D5185m >20 ppm 1 There is no indication of any contamination in the oil. Fuel WC Method >5 <1.0 Water WC Method >0.2 NEG Glycol WC Method NFG Soot % % *ASTM D7844 >3 0.2 Nitration Abs/cm *ASTM D7624 >20 10.2 Sulfation Abs/.1mm *ASTM D7415 >30 20.2 Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt *Visual NONE NONE scalar Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML Emulsified Water scalar NEG *Visual >0.2 FLUID CONDITION Sodium ASTM D5185m 3 ppm Boron ASTM D5185m 1 ppm The BN result indicates that there is suitable alkalinity remaining in the 0 Barium ppm ASTM D5185m oil. The condition of the oil is suitable for further service. Molybdenum ASTM D5185m 6 ppm Manganese ASTM D5185m ppm ۲2 Magnesium ppm ASTM D5185m 94 Calcium ASTM D5185m 4500 4376 ppm Phosphorus ASTM D5185m 1004 ppm Zinc ppm ASTM D5185m 1200 1146 Sulfur ppm ASTM D5185m 4042

Oxidation

Base Number (BN)

Visc @ 100°C

Abs/.1mm

cSt

*ASTM D7414

ASTM D445

mg KOH/g ASTM D2896 15

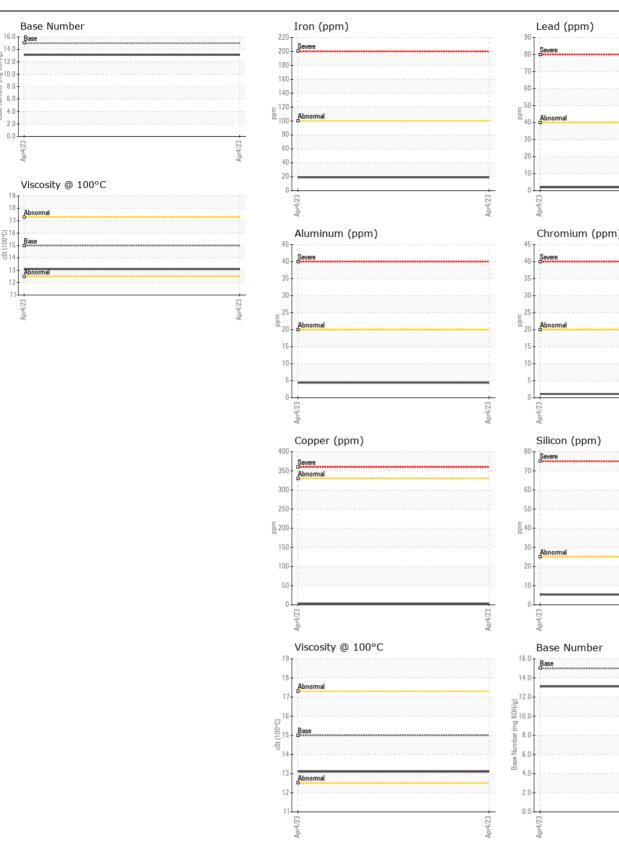
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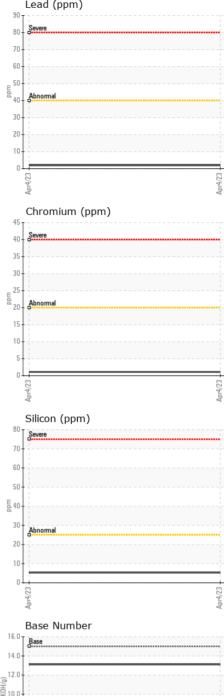
15

11.9

13.11

13.1







14.0

(B/H0X (md K0H/d)) 8.0 6.0

Base 1 4.0

2.0 0.0

19

18

17

13

12 11

		Laboratory Sample No. Lab Number	: WearCheck USA - : TR06076441 : 06076441	Recieved Diagnosed	re., Cary, NC 27513 :31 Jan 2024 :01 Feb 2024 :Wes Davis	DEVIN VOIGT 15713 710 AVE TAOPI, MN
		Unique Number	: 10858532	Diagnostician	: wes Davis	US 55977
	Certificate L2367	Test Package	: MOB 2			Contact: DARREL BARGEN
To discuss this sample report, contact Customer Service at 1-800-827-0711.						
20- T	* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.					T:
7- 1. K	Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)					F:

Report Id: DEVTAO [WUSCAR] 06076441 (Generated: 02/01/2024 16:59:32) Rev: 1

Contact/Location: DARREL BARGEN - DEVTAO

Apr4/23