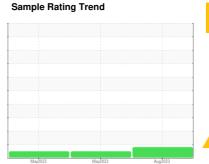


OIL ANALYSIS REPORT





Machine Id Component **Diesel Engine**

KENDALL SUPER-D XA DIESEL ENGINE OIL

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Cylinder, crank, or cam shaft wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the

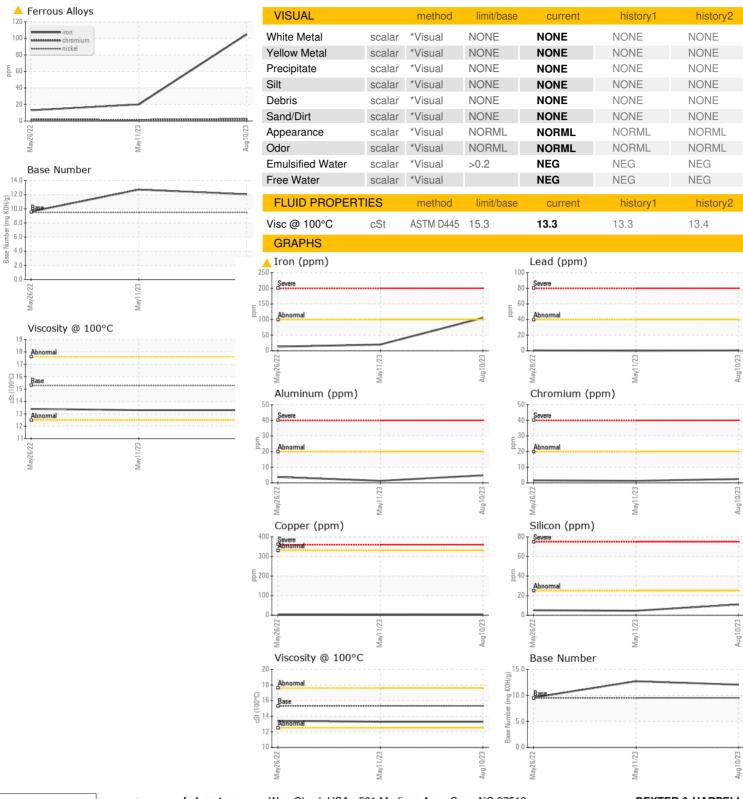
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM Sample Number Sample Date Machine Age Oil Age		DIL 15W40 (GAL)						
Sample Date Machine Age	ATION	method	limit/base	current	history1	history2		
Machine Age		Client Info		WC0524366	WCM2312806	WC0570162		
		Client Info		10 Aug 2023	11 May 2023	26 May 2022		
Oil Age	hrs	Client Info		8107	7859	7600		
J., 190	hrs	Client Info		250	250	250		
Oil Changed		Client Info		Changed	Changed	Changed		
Sample Status				ABNORMAL	NORMAL	NORMAL		
CONTAMINATION	ı	method	limit/base	current	history1	history2		
Fuel		WC Method	>5	<1.0	<1.0	<1.0		
Glycol		WC Method		NEG	NEG	NEG		
WEAR METALS		method	limit/base	current	history1	history2		
ron	ppm	ASTM D5185m	>100	105	20	13		
Chromium	ppm	ASTM D5185m	>20	2	1	2		
Nickel	ppm	ASTM D5185m	>4	0	0	0		
Γitanium	ppm	ASTM D5185m		60	38	58		
Silver	ppm	ASTM D5185m	>3	0	0	<1		
Aluminum	ppm	ASTM D5185m	>20	5	1	4		
_ead	ppm	ASTM D5185m	>40	<1	0	<1		
Copper	ppm	ASTM D5185m	>330	2	2	2		
Γin	ppm	ASTM D5185m	>15	<1	0	<1		
/anadium	ppm	ASTM D5185m		<1	0	<1		
Cadmium	ppm	ASTM D5185m		0	0	0		
ADDITIVES		method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m		104	72	123		
Barium	ppm	ASTM D5185m		0	0	0		
Molybdenum	ppm	ASTM D5185m		27	43	29		
Manganese	ppm	ASTM D5185m		1	<1	<1		
Magnesium	ppm	ASTM D5185m		661	725	641		
Calcium	ppm	ASTM D5185m		1862	1501	1689		
Phosphorus	ppm	ASTM D5185m		1006	970	1001		
Zinc	ppm	ASTM D5185m	1260	1337	1191	1226		
Sulfur	ppm	ASTM D5185m		4234	3655	3652		
		method	limit/base	current	history1	history2		
CONTAMINANTS	ppm	ASTM D5185m	0.5					
	Phili	7.00	>25	11	5	5		
CONTAMINANTS Silicon Sodium	ppm	ASTM D5185m	>25	11 4	5 4	5 3		
Silicon Sodium								
Silicon Sodium	ppm	ASTM D5185m		4	4	3		
Silicon Sodium Potassium INFRA-RED	ppm	ASTM D5185m ASTM D5185m	>20	4 3	4 0	3 2		
Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm	ASTM D5185m ASTM D5185m method	>20 limit/base	4 3 current	4 0 history1	3 2 history2		
Silicon Sodium Potassium	ppm ppm	ASTM D5185m ASTM D5185m method *ASTM D7844	>20 limit/base >3	4 3 current 0.1	4 0 history1 0.2	3 2 history2 0.1		
Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624	>20 limit/base >3 >20	4 3 current 0.1 8.3	4 0 history1 0.2 8.4	3 2 history2 0.1 8.4		
Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D7415	>20 limit/base >3 >20 >30	4 3 current 0.1 8.3 19.3	4 0 history1 0.2 8.4 19.6	3 2 history2 0.1 8.4 19.1		



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: 05925534 : 10605481 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0524366 Received : 15 Aug 2023 Diagnosed : 17 Aug 2023 : Don Baldridge

Diagnostician

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) **DEXTER & HARPELL**

2352 MAIN ST CONCORD, MA US 01742

Contact: SCOTT BRUNEAU dhloam52@gmail.com

T: (978)897-4901

Contact/Location: SCOTT BRUNEAU - DEXCON