OIL REPORT

LAB NUMBER: J99942 **UNIT ID:** 28538
REPORT DATE: 2/26/2019 **CLIENT ID:**
CODE: 20/32 **PAYMENT:** CC: Visa

UNIT

MAKE/MODEL: OIL TYPE & GRADE: 15W/40
FUEL TYPE: OIL USE INTERVAL: 73 Hours
ADDITIONAL INFO:

CLIENT

COMMENTS

STEVEN: Wow, that's a lot of silicon. It can show abrasive dirt, but with how low the metals are that seems pretty unlikely. Instead, we'd lean towards something harmless like sealers if any work was done recently or maybe some sort of oil additive. To be honest, it's even really high for sealers. Usually they show up at 50-100 ppm, but either way, it doesn't look like the silicon hurt anything. Change this oil out just to remove the silicon if you haven't already. No fuel this time and the oil filter kept insolubles low. Check back on silicon.

ELEMENTS IN PARTS PER MILLION

MI/HR on Oil	73	UNIT / LOCATION AVERAGES		21				UNIVERSAL AVERAGES
MI/HR on Unit			665	60				
Sample Date	2/12/2019		12/6/2016	11/20/2015				
Make Up Oil Added			6 qts					
ALUMINUM	2	2	2	2				1
CHROMIUM	0	0	0	0				0
IRON	2	3	2	3				3
COPPER	16	12	12	11				15
LEAD	3	2	2	1				4
TIN	0	0	0	0				1
MOLYBDENUM	57	60	56	64				40
NICKEL	0	0	0	0				0
MANGANESE	0	0	0	0				0
SILVER	0	0	0	0				0
TITANIUM	0	0	0	0				0
POTASSIUM	0	1	1	0				1
BORON	270	270	248	292				102
SILICON	**1924**	4	3	4				6
SODIUM	4	4	5	3				5
CALCIUM	1462	1454	1435	1472				1951
MAGNESIUM	222	271	262	279				360
PHOSPHORUS	926	960	946	974				1051
ZINC	880	1104	1033	1174				1213
BARIUM	2	2	2	2				1

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°	76.0	68-82	**67.2**	74.3			
cSt Viscosity @ 100°C	14.52	12.4-16.3	**12.21**	14.07			
Flashpoint in °F	455	>400	**350**	425			
Fuel %	<0.5	<2.0	**5.0**	<0.5			
Antifreeze %	0.0	0.0	0.0	0.0			
Water %	0.0	0.0	0.0	0.0			
Insolubles %	0.0	<0.6	TR	0.0			
TBN							
TAN							
ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

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