



OIL REPORT

LAB NUMBER: J65018 **UNIT ID:** 06 CDI
REPORT DATE: 9/29/2017 **CLIENT ID:**
CODE: 20/32 **PAYMENT:** CC: Visa

UNIT	MAKE/MODEL: Mercedes Benz 3.2L CDI	OIL TYPE & GRADE: Mobil 1 0W/40 Euro
	FUEL TYPE: Diesel	OIL USE INTERVAL: 10,100 Miles
	ADDITIONAL INFO: 648.961	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS MICHAEL: Iron read a little high again in this sample, but we've seen higher iron readings come and go in your used oil in the past -- maybe it'll "go" next time, just like it did the last time it was high. Other metals continue to look very good, so we think these bumps in iron are probably operational or situational more than anything else, but we'll let you know if our thoughts change as trends continue to build. If iron doesn't settle back down a bit next time, that might be a sign of poor wear or problems. No contamination was found. Seems fine from here.

Mobil 1 European Formula Mobil 1 ESP

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	10,100	UNIT / LOCATION AVERAGES	10,000	10,900	9,100	9,900	8,000	UNIVERSAL AVERAGES
	MI/HR on Unit	150,100		140,000	129,900	119,000	109,900	100,020	
	Sample Date	9/19/2017		12/26/2016	3/8/2016	7/22/2015	12/26/2014	3/19/2014	
	Make Up Oil Added	0 qts			0 qts	0 qts	0 qts	0 qts	
	ALUMINUM	6	5	4	6	4	7	4	4
	CHROMIUM	3	3	3	3	2	4	2	2
	IRON	99	82	83	84	76	108	61	48
	COPPER	5	4	4	4	3	5	3	3
	LEAD	0	0	0	0	1	0	0	1
	TIN	0	0	0	1	0	0	0	1
	MOLYBDENUM	86	85	76	85	88	86	83	61
	NICKEL	1	0	0	0	0	0	0	0
	MANGANESE	1	1	1	1	1	1	1	1
	SILVER	0	0	0	0	0	0	0	0
	TITANIUM	0	0	0	0	0	0	0	0
	POTASSIUM	3	3	2	2	1	4	5	3
	BORON	175	138	116	134	155	190	169	112
	SILICON	9	5	6	4	4	6	4	5
	SODIUM	3	4	3	6	3	3	3	5
	CALCIUM	3392	2255	2675	3063	3313	2944	2692	2002
	MAGNESIUM	21	17	24	16	19	16	15	74
	PHOSPHORUS	977	834	793	859	905	864	831	835
	ZINC	1140	984	936	1096	1113	1015	965	963
	BARIUM	0	0	0	0	0	0	0	0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	69.8	65-75	70.4	76.6	70.3	71.8	69.3
		cSt Viscosity @ 100°C	12.89	11.6-14.5	13.07	14.67	13.02	13.43
	Flashpoint in °F	435	>385	435	415	435	455	465
	Fuel %	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	<0.1	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.1	<0.6	0.2	0.3	0.1	0.5	0.2
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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